



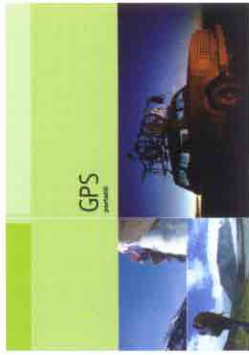
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in contact



Consumer Catalogue 2006/2007

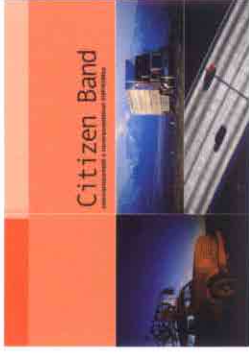
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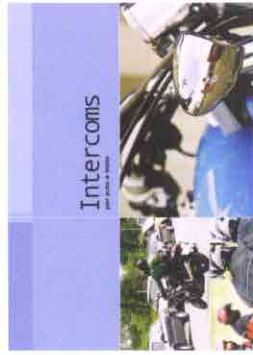
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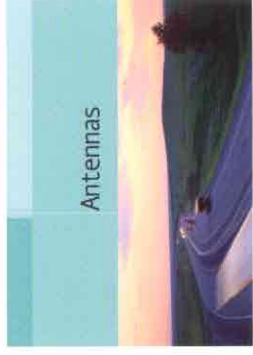
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Cte International: the world in communication

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Merchandising

Some of our trade shows

Restrictions on use

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PMR 446		
UE Country	Allowed	Restrictions
Austria	Yes	Free use
Belgium	Yes	Free use
Cyprus		Pending
Denmark	Yes	Free use
Estonia	Yes	Free use
Finland	Yes	Free use
France	Yes	Free use
Germany	Yes	Free use
Greece	Yes	Free use
Ireland	Yes	Free use but CTCSS or DCS tones to be checked
Italy	Yes	General Authorization, as per note 101C in the PNF and per DL 259 dtd 01/08/03
Latvia	Yes	Type approval required.
Lithuania	Yes	Free use
Luxembourg	Yes	Free use
Malta		Pending
Netherlands	Yes	Free use
Poland		Pending
Portugal (Madeira and Azores too)	Yes	Free use
U.K.	Yes	Free use
Czech Rep.	Yes	General Authorization
Slovakia	Yes	Free use
Slovenia	Yes	Free use
Spain	Yes	Free use
Sweden	Yes	Free use
Hungary	Yes	Free use
Extra UE country	Allowed	Restrictions
Canary Islands	Yes	Free use
Iceland	Yes	Free use
Norway	Yes	Free use
Réunion	Yes	Free use
Switzerland	Yes	Free use
Turkey	Yes	Individual licence is required.
Croatia	Yes	Free use

LPD (SRD) Audio Transmission		
UE country	Allowed	Restrictions
Austria	Yes	Free use
Belgium	No	Not allowed
Denmark	No	Not allowed
Finland	No	Not allowed
France	Yes	Free use
Germany	Yes	Free use
Greece	Yes	Free use
Ireland	Yes	Free use
Italy	No	Not allowed
Luxembourg	No	Not allowed
Netherlands	Yes	Free use
Portugal	No	Not allowed
U.K.	No	Not allowed
Spain	No	Not allowed
Sweden	Yes	Free use
Lithuania	No	Not allowed
Estonia	No	Audio and video not authorized
Latvia	No	Voice, audio and video not authorized
Slovakia	Yes	Free use
Slovenia	Yes	Free use
Extra UE country	Allowed	Restrictions
Croatia	No	Not allowed
Iceland	Yes	Free use
Norway	Yes	Free use
Switzerland	No	Not allowed
Turkey	No	Not allowed

SRD 860 Mhz - ALAN 860		
UE Country	Allowed	Restrictions
Austria	Yes	Free use
Belgium	No	Not allowed
Cyprus		Pending
Denmark	No	Not allowed
Estonia	Yes	Free use
Finland	No	Not allowed
France	Yes	Free use
Germany	No	Not allowed
Greece	Yes	Free use (as per ERC/REC 70-03)
Ireland	Yes	Free use (as per ERC/REC 70-03)
Italy	Yes	Free use
Latvia		Pending
Lithuania	Yes	Free use
Luxembourg	No	Not allowed
Malta		Pending
Netherlands	Yes	Free use
Poland	No	Not allowed
Portugal	Yes	Free use
United Kingdom	No	Not allowed
Czech Rep.	Yes	Free use
Slovakia	Yes	National type approval required
Slovenia		Pending
Spain	No	Not allowed
Sweden	No	Not allowed
Extra UE country having adopted R&TTE norms	Allowed	Restrictions
Iceland	No	Not allowed
Norway	Yes	Free use (as per ERC/REC 70-03)
Switzerland	No	Not allowed
Extra UE country	Allowed	Restrictions
Turkey	Yes	National type approval required
Croatia	Yes	Free use after national approval
Bulgaria	No	Not allowed

Cte International: The World in Communication

CTE International, opened its doors to business in 1972 to become one of today's international radiocommunications market leaders.

Intense focus on research and development has led CTE International to consolidate its market position, organised in 3 distinct Business Units:

Consumer, Professional, Broadcast.



The **Consumer Business Unit** with **MIDLAND** and **ALAN** brands deals with all products intended for the mass consumption market: portable **PMR446** and **LPD** transceivers, **CB** (Citizen Band) radios on **27MHz** frequency, **VHF** for the nautical sector, cartographic and navigator **GPS** receivers. In addition to transceivers, the Consumer BU deals with all the accessories required for simple and immediate device use such as earphones, microphones, cables, antennas, rechargeable batteries, etc.

In the summer of 2001, the **ALBRECHT** brand was also added to the **ALAN** and **MIDLAND** brands.



The **Professional Business Unit** develops and creates **autonomous networks** for **public communications**. Its proposals – destined for **public and private companies, emergency health services**, and **public and private security services** – include **infrastructures, and mobile and portable transceivers (convention, trunking, Tetra)**.

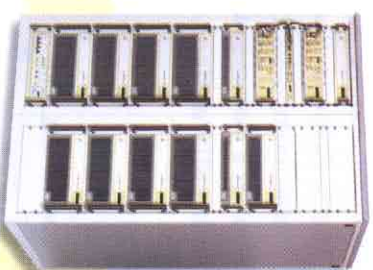
The entire range meets **high performance needs with the degree of flexibility and security** demanded by this market.

The high level of know-how acquired in the sector has enabled CTE International to work with **the Ministry of Defence, the Ministry of Internal Affairs, Civil Protections, the Red Cross and other important public and private organizations** requiring dedicated communication networks.



The **Professional Business Unit** also deals with **Microline** product lines for security and surveillance derived from the experience matured by **Cte International** thanks to **close collaboration with the Ministry of Internal Affairs and the Ministry of Defence** for which it is an accredited supplier.

Microline systems **created in Italy** by our Professional Business Unit staff, are distinguished by **constant innovation** being designed in team with experts acquainted with every day installation and concealment requirements. Known and esteemed on the international market, Microline solutions are characterised by **high miniaturisation and reliability**.



The **Broadcasting Business Unit** develops **FM and TV broadcasting products**. As well as traditional technological solutions, CTE International designs and develops **digital audio and video transmitters (DVB, DAB)**, thus extending its range of products to meet the most sophisticated needs.

In 2002 CTE International acquired the **ELIT** brand, sector leader since the 60's.



FM&TV Transmitters since 1946

Branches and partners worldwide

The numerous group branches and partners are located in primary world countries: Spain, Germany, Great Britain, France, Greece, Poland, Russia, the United States, Bulgaria, Sweden, Singapore and Finland.

These reliable, competent companies are **the backbone of CTE International's commercial policy**, and are directly responsible for **"customer satisfaction"**.

Cte International has developed an intense international expansion policy that has led to the opening of numerous branches throughout the world and to the purchase of the American **Midland**, a company distinguished for its high technical professionalism and leadership in CB production on the American market.

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www.nordicradio.se

Product range 2006: some of our new products

GPS



Alan Map600

The satellite navigator with voice indications.
Reliable, always at your side

Dual band PMR446/LPD



Alan 777 and Alan 777 diabolika

Unique and exclusive, dedicated to those who love
class and elegance

Dual band PMR446/LPD



Midland G7 - Midland G7 Camo Mimetic

A high performance radio: dual band, also available
in the Mimetic version with the original design Mossy
Oak®

LPD



Midland G7L

A high performance radio on LPD band

PMR446



Midland G12

All the potential of a compact professional radio

PMR446



Alan K1

Small manageable, secure grip

Product range 2006:

CB

Alan 8001S and Alan 8001S Euro



CB AM/FM/SSB radios

Marine

Atlantic-i

Portable 5 Watt marine transceivers



Intercom

Midland BT Intercom



Bluetooth™ motorcycle intercom with mobile phone interface

BPA100

Bluetooth™ adapter for transceivers



Crypto GSM

Snapcell P2P

Encrypted communications on Sony -Ericsson GSM



Antennas

X-Turbo 48 and Ministar 27

High yield antennas for every need



Our sponsorships - borderless communications

At the age of 2, Giorgio Barbieri landed in Antarctica on November 29, 2004 and was awarded the "Guinness world record" for being the youngest person to travel across all seven continents!

The Barbieri family, mother Rosa Maria, father Giuseppe, Giorgio age 2 and siblings Clelia, 10, and Fabio, 8, travel with passion and harmony throughout the world, becoming more than simple spectators of its surroundings! CTE International believes in and supports this adventure with Midland devices and proudly share this record with the Barbieri family!



On June 27, 2004 Giò Barbieri and his family left Modena in their camper for a trip dedicated to discovering new countries, new and incredible experiences! They freely travelled across 13 countries, covering 10,000 Km, letting the places and people they met make the difference and the stop-overs on this special trip.



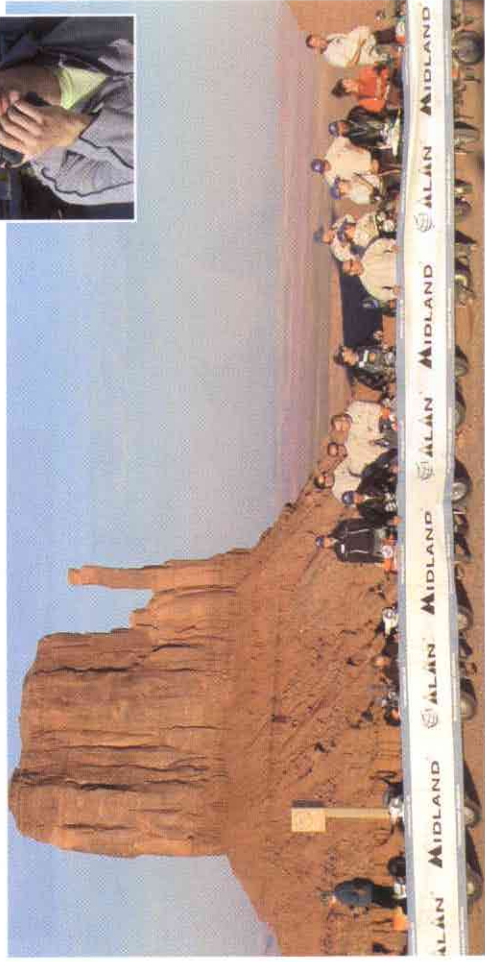
In June and July 2004, The Sextant group completed an exceptional expedition in Land Rover across the most rugged regions of Quebec and Labrador. A trip over 10,000 km long during which our transceivers kept the group in constant contact while the GPS navigators permitted the exploration of one of our planet's least known regions.



Photo Challenge 4x4 was inspired by the passion for the road travelling and the growing demand for adventure of all-terrain vehicle drivers. The 4x4 give you the freedom to drive hundreds of miles off road and far from popular tourist destinations. With Midland and Alan transceivers travelling through Libya was a breeze being able to continually communicate, relishing the charm of extraordinary landscapes and untouched sceneries.



Even the Midland radios were in the limelight of the Desert Rally 2005 organized by the "Associazione Vesportiva Vespaonline" (www.vespaonline.com): an adventure where technology played a fundamental role. A breakdown in the middle of Death Valley, the group pushes ahead, the support camper that misses the Vespa stopped on the road side: all this did not happen because 5 Vespas and the support vehicles were equipped with our radio systems. Thanks to Midland, the rally triumphantly reached S. Francisco after covering 4,500 kilometers.



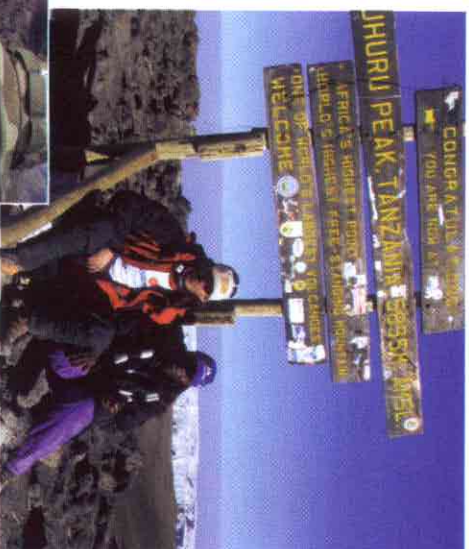
Our sponsorships - borderless communications



The 24-hour Auto magazine race, May 11-12, 2005, Misano race track.. The standard vehicles of the main automobile manufacturers met on the Misano race track for the most intense test: a marathon designed to see how long standard vehicles are able to withstand stress greater than they will ever encounter in normal road use. Once again, Midland was the transceiver supplier for communications between cars and box.



3rd Tricolour Olympics - August 2005 Reggio Emilia. the Olympic marathon runner, Stefano Baldini lit the Olympic flame to open the 3rd Tricolour Olympics, sponsored by the President of the Italian Republic, Ciampi. The event hosted 4000 athletes from 17 countries, competing in 37 sports.



The MIDLAND team finished 1st in the Ventaglio Ecoadventures Madagascar 2005 leg! For years, the Midland team has participated in Axioma sports adventures which, in association with Viaggi del Ventaglio, organises trips and vacations for sports enthusiasts.

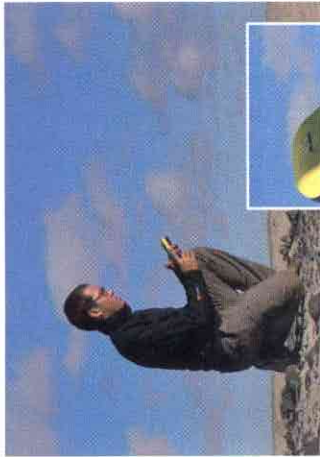


Great entertainment at the 'Notte Bianca' opening in Milan, June 17-18 2005. The well-attended 500 Mile Race Challenge, organised by GP1 Racing srl in association with the Municipality of Milan and the Italian Road Safety Association successfully concluded. Alan and Midland were the technical sponsors of the race organisation.



The expedition conquered the 5895 meter Kilimanjaro summit on February 24, 2006 after covering the Machame Route that included 5 tent camps between 3000 and 4600 meter altitudes. Members crossed 62 kilometers before reaching the highest summit. The fantastic Midland radios significantly contributed so that the caravan, made up of five members and other 16 guides and handlers, was kept in constant contact.

Our sponsorships - borderless communications



Africa on the Road

An incredible adventure "across the cradle of civilization". "Africa on the road" set out in Milan on September 1, headed for South Africa after crossing 20 African borders and 25,000 kilometers "solo" and on the road in 5 months.



Iceland, the island of ice and fire. Every year, the Roman association, Dimensione Avventura organises a summer 4x4

off-road trip across the internal roads of the island of ice and fire and this year the group also included a Quad 4x4 equipped with an Alan MAP 500 cartographic GPS navigator.



Cte International is the official sponsor and supplier of the National Mountain Bike School



National Italian youth explorer Corps

Dimensione Avventura: crossing Siberia, the ultimate challenge!

Prohibitive weather conditions, from minus 50° to minus 70°, extremely difficult roads for an unforgettable experience! The trip, about 15,000 Km was made with the old Lada Niva, to make the challenge even harder! And communications between cars? Midland transceivers, naturally.

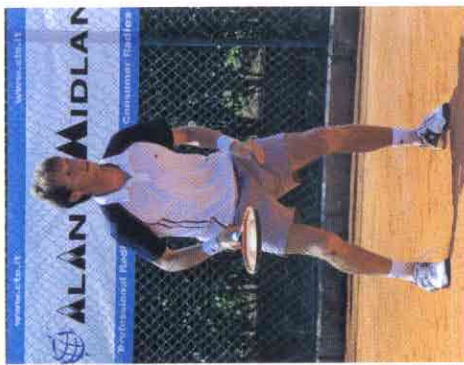


L'R80/GS Owner Club, to celebrate the 25th anniversary of the legendary BMW R80 G/S, organised a trip that crossed the GREAT SILK ROAD. An adventure over 15,000 km long, from Padova to South Korea. And Midland was there.

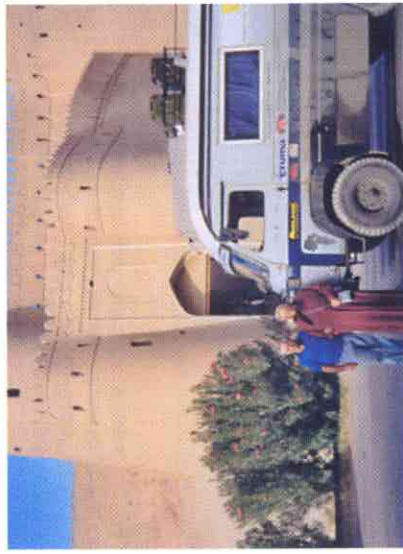


Beach Volley World Championship 2005

The **Alan 456R** (PMR446) radios were used by event personnel, proving their quality, practicality and efficiency on the field.



CTE International Techinal sporting events Sponsor! International ATP Challenger 25,000 \$ tournament held at the Canali Tennis Club in Reggio Emilia.



Mr. Dario Brignole and wife travel overland across the warm countries of the Middle East.

Midland is proud to have sponsored a couple with true spirit of adventure. Peaceful pensioners, the Brignole couple transformed into a flexible travellers, ready for any conditions! They covered 24,000 km in three months crossing Iran, Pakistan and India.

Our sponsorships - borderless communications



La Bundesjugendorchester (BJO) is one of the world's most famous youth orchestras. It assembles the greatest 14 - 20 year old talents who perform in national and international concerts conducted by famous directors such as Kurt Masur, Gerd Albrecht and Andrey Boreyko. Alan Electronics has been sponsoring BJO since December 2005 with **PMR446 Alan 777 radios**, guaranteeing organisation efficiency and the smooth coordination of practices and concerts.



Incatrail - tracking the Incas
Alan electronics gave its support to an unusual expedition through the supply of **radios and Alan Map500**: a team of runners covered the historical Inca routes crossing Chile, Bolivia and Peru to reach Quito in Ecuador.



For the fourth consecutive year, **Alan Electronics supports the TRUE Berlin skating team**. All team members are equipped with headphones and the trainer can finally rest his voice.



Archaeological excavations in the Nile Delta.
Carefree communications and guaranteed orientation with the **PMR446 Alan** and **Alan MAP500** radios on the extensive excavations

ADAC Road safety courses.
ALAN456R is successfully used at Adac events and provides excellent communications between driving instructors and students.



"Gie" of St Ouen l'Aumône - service security Surveillance of over 15,000 people in the industrial sites of Cergy-Portoise is entrusted to our **PMR446** radios that prove to be constantly reliable!



The organization of the Sled dog P i r e n a Championships 2006, held in the Pyrenees in January, was coordinated thanks to **PMR446 Alan** and Midland radios.



"Raid Eure "X Free" - 500 participants
3-day competition with Mountain bike, foot, canoe and archery tournaments. Organisation and safety communications entrusted to Alan and Midland **PMR446** radios.



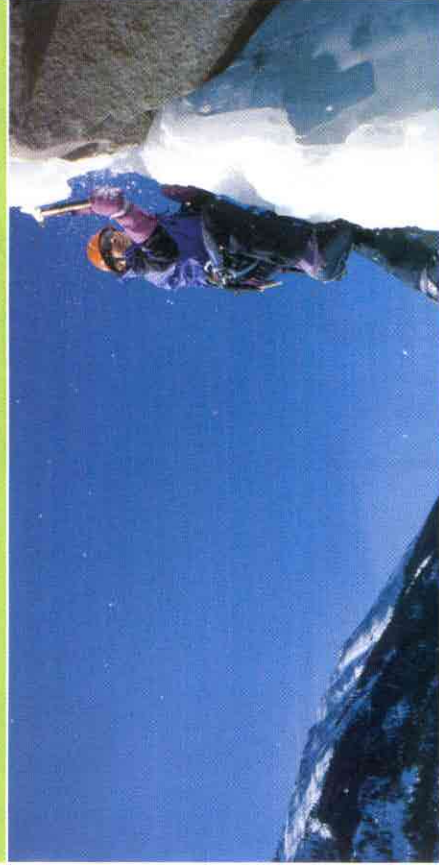
"Bleu-Rouge" trophy organized by "Stade Français" & le "Yacht Club" of Deauville - our marine VHF were there to guarantee race security and award the winners.



The Midland **PMR446** provided essential assistance to the "Terra 4x4" raid and driver Javier Sardà, assisting him in brilliantly completing this difficult test of resistance in Tunisia.

GPS

portable



Kit 071 Italia

Kits with detailed maps of the main European countries are available.



Certification
CE
NMEA 0183 V2

The satellite navigator with voice indications. Reliable, always at your side

ALAN MAP600 is an accurate and reliable navigation tool. It is equipped with scalable memory using standard Compact Flash Card to load maps.

Navigating following sound indications is simple and thanks to the high contrast backlit LCD display with 4 levels of grey, you can quickly and safely check your position.

The central joystick, standard in the ALAN MAP family, provides easy access to the multiple functions, making use convenient and versatile, whether on long trips or short joints in the city.

ALAN MAP600 is equipped with a built-in GPS antenna; an external magnetic antenna (optional) can also be connected for perfect reception in any conditions.

The portable GPS ALAN MAP600 navigator adds navigator functions to the classical GPS functions designed for outdoor sporting and recreational activities, guiding you along the road to your destination.

Precision and optimal map visibility make it an ideal tool for road use. Finding a location with the ALAN MAP600 is quick and easy. It automatically calculates directions and displays the best route, guiding you turn after turn, thanks to sound and visual indications. If you make a wrong turn, the new route is immediately calculated, becoming a reliable and accurate travel partner.

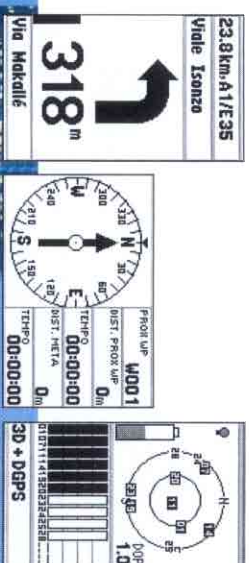
Small and manageable, ALAN MAP600 can follow you anywhere, in your pocket, hooked to bicycle handles and on your motorcycle, moving from car to car.

Technical Specifications:

- ALAN MAP600 comes with a PC connection cable to load maps or transfer waypoints, routes and tracks.
- 8 hour battery autonomy (n.2 batt AA)
- Waypoint: 1000 linkable to names and comments
- Auto-Route: 20 RT routes with 11 waypoints linkable to names and comments
- Routes: 50 with 150 waypoints each
- Tracks: 8 with 2,500 points each, for a total of 20,000 points
- 9 zoom levels
- Lightweight and compact: weight 150 gr., dimensions 6,2x13x3 cm
- Scalable memory with Compact Flash card

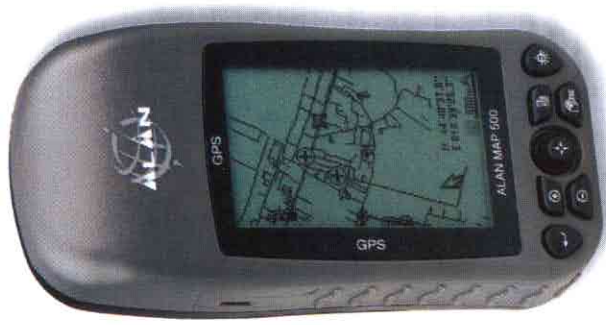
The package includes:

- ALAN MAP600, car bracket, 12 Vdc car power cable, RS-232 data cable, detailed map kit for your country and 128 MB Compact Flash Card.



Alan Map500

- › code C718
- › Kit 047 Italia
- Kits with detailed maps of the main European countries are available.**



Certification
CE
NMEA 0183 V2

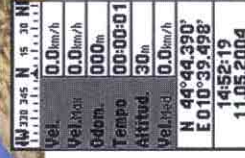
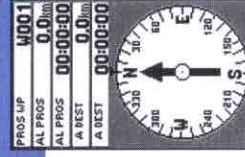
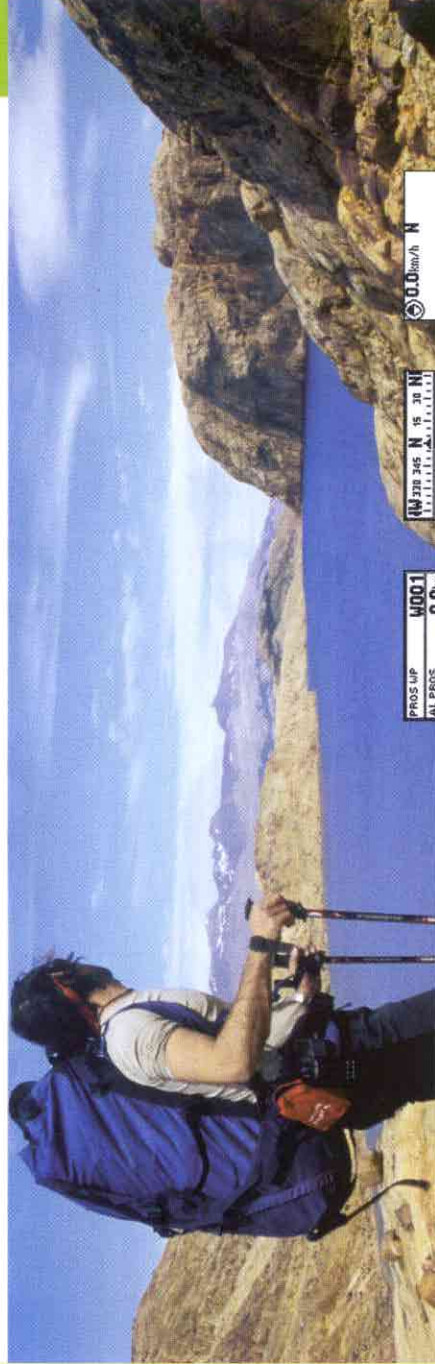
The compact GPS receiver to guide you on your adventures

The cartographic **ALAN MAP500** GPS receiver is the ideal companion for your outdoor adventures. Designed for any use, thanks to its built-in antenna and compact design, you can comfortably hold it in your hand or attach it to your belt or bicycle handle. For more demanding users, it can be carried in your backpack thanks to the external magnetic antenna (optional). Extremely robust, lightweight and easy to use, ALAN MAP500 accurately provides all the information you need to assist your travels even in the most remote areas.

Creating and customising your itineraries is fun, wherever your fancy leads you: by land or by sea, in the mountains and in the sky!

The detailed map of your country is available and you can create your own maps compatible with ALAN MAP500 using MAPEDIT software (optional). Thanks to the central joystick, you can access ALAN MAP500 multiple functions to discover the coordinates of your position, waypoints, travel time and speed, while the electronic compass shows you the direction to follow.

An accurate and reliable navigation tool, with high contrast backlit LCD display with 4 levels of grey. This GPS tool is designed for hikers, climbers, trekkers, outdoor and Mountain Bike off-road fans. For anyone who wants the best from a navigation tool.



Technical specifications:

- ALAN MAP500 comes with a PC connection cable to load maps or transfer waypoints, routes and tracks.
- European base map already loaded (highway level)
- › 8 hour battery autonomy (n.2 batt AA)
- › Waypoint: 1000
- › Routes: 50 with 150 waypoints each
- › Tracks: 8 with 2,500 points each, for a total of 20,000 points
- › Programmable track recording mode
- › 9 zoom levels
- › Scalable memory with Compact Flash card

Available in 2 versions:

- › ALAN MAP500 with serial cable, highway level European base map
- › ALAN MAP500 with serial cable, European base map, 64 MB Compact flash card and detailed map of your own country.

Alan Map600/Map500

Optional accessories



CH500



BH500



MH500



SCH500



AL500



USS500



AM500



DL500



CS500

CH500	code C720	car bracket
BH500	code C745	bicycle support
MH500	code C796	metallic motorcycle and bicycle support
SCH500	code C743	bicycle support + case
AL500	code C721	car charger
US500	code C731	USB data cable
AM500	code C722	amplified magnetic antenna
DL500	code C719	RS-232 data cable
CS500	code C742	case

Maps		
EU500	code C728	European map CD with 17 countries
EU600	code C760	European map CD with 17 countries

Specifications

I. MAP

- A. Display scale: 50m–100 km, 9 zoom levels (zoom in and zoom out)
- B. Map card: Compact Flash (CF) card, Sandisk or 100% compatible.
- C. Map card capacity: depends on CF card memory size (Map500: max 512MB, Map600: max 2GB)

II. NAVIGATION

- A. Waypoints: 1000 max with name, symbol, comment and display indications.
- B. Routes: 50 max, 150 waypoint max per route.
- C. Tracks: 8 max (7 backup and 1 in use), 2,500 max points per track. Programmable track recording mode

III. FUNCTIONS

- A. 12 satellite reception and hook up.
- B. Acquisition time:
 - (1) First startup: average 300 seconds.
 - (2) Normal startup: average 40 seconds.
 - (3) Hot start: average 15 seconds.
 - (4) Satellite acquisition speed: every second
 - (5) Update speed: every second

IV. PRECISION

- A. Position: from 5 to 25 meters.
- B. Speed: within 0.1 m per second.
- C. Time: ± 1µs.
- EGNOS/WAAS/Additional correction:
- A. Horizontal position:

V. CAPACITY LIMITS

- A. Altitude: from -1,000m to 18,000m.
- B. Speed: within 515m per second.
- C. Gravity acceleration: ± 4G.

VI. INTERFACE

- A. RS-232 for NMEA 0183 output or data communications or map/route upload.

VII. DATUM

Containing 219 selectable reference maps (datum).

VIII. ANTENNA

- Built-in antenna
- MCX connector for optional external antenna.

IX. DIMENSION/WEIGHT

- A. Dimensions: 6.2 x 13 x 3 cm.
- B. Weight: 147 gr (without batteries and CF card)
- C. Battery: 2 AA batteries

X. DISPLAY

- A. Black and white: 4 shades of grey
- B. Dimensions: 6.0 x 3.8 cm
- C. Lighting: high contrast electro-luminescent
- D. Resolution: 100 x 160 points

XI. MISC.

- A. Built with SIRF Star II chipset
- B. 12 satellite channels, accelerated acquisition point (TTF)
- C. Keys: 6 functions, 1 joystick for 4 directions
- D. Working temperature: from -10°C a +70°C.
- E. Storage: From -40°C a +85°C.



PMR446/LPD

mini transceivers you can use for free, at any time, anywhere!



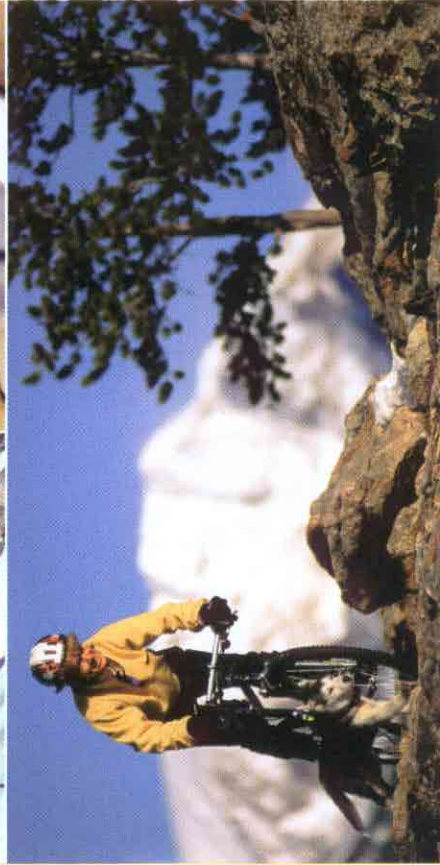
If you need to frequently talk with the same people within a range of 4-5 Km, LPD and PMR446 transceivers are great tools. Providing **high communications efficiency and reliability** without any phone costs, these transceivers give you significant benefits: **just press PTT (Push-To-Talk) and talk!**

Communications are **"immediate"**, without dialing numbers, without ring tones or other procedures, all users on the same frequency channel receive the call and can respond one at a time. This provides extremely interesting possibilities, the most important is undoubtedly the **"party line"**, sending voice calls to all set party members simultaneously. Another useful transceiver function is VOX, that lets you **talk hands-free**. This function automatically switches the device to transmission as soon as it picks up the users voice without forcing you to press PTT.

PMR & LPD transceivers are widely used during trips, when camping, inside multi-storey offices, construction sites or **in open range on vacation** when **travelling** to communicate between several vehicles, during **sporting events** like skiing, cycling/motorcycling, and in all those situations when keeping contact with several people is needed or just plain fun!

PMR devices operate on frequencies within **446 Mhz** (8 channels) and have **500mW transmission power** for a **4-5 Km maximum range**. You should check with your PTT authorities to see if you have any fiscal obligations such as annual fee.

On the other hand, LPD devices operate on frequencies within 433 Mhz (69 channels) and have **10mW transmission power** for a **2 Km maximum range**, they licence free to use from channel 1 to channel 20 and **do not require any contribution**.



A small technological gem

Available in dual band and PMR446 (Alan777E) versions

ALAN 777 is the most advanced new generation transceiver solution: an exclusive technological gem smaller than a credit card.

Work

Professional and reliable, you can use it at work to communicate with your colleagues or team mates at construction sites, in discos, at sporting events, shows, trade fairs and hotels.

Friends

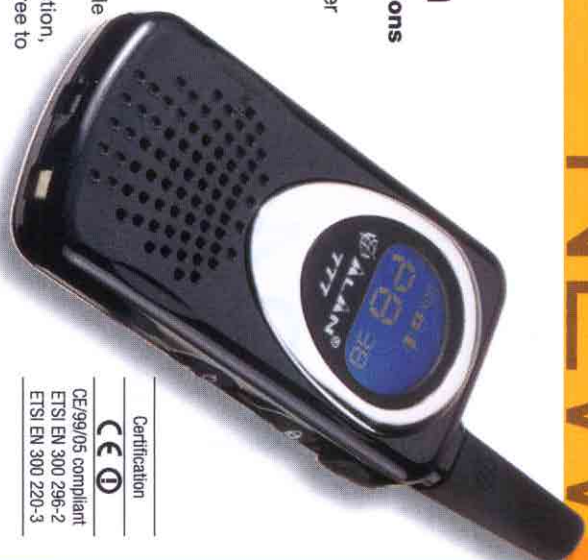
Trendy and elegant, with a modern and innovative design, the ALAN 777 is the true alternative to the cell phone to talk with your friends for free when relaxing, travelling or during sports events.



Main features

- › dual band PMR446/LPD (Alan777)
- › PMR446 (Alan777E)
- › Vibrating alert
- › Backlit LCD display
- › Lithium battery with autonomy up to 18 hours
- › Auto power save automatic power saving circuit
- › 38 CTCSS tones in TX and RX
- › CALL key with 3 selectable tones
- › Keypad lock
- › VOX for hands-free communications
- › Battery low indicator

Team
Lightweight and compact, you can talk with one or more people at the same time and, thanks to the VOX function, you can use it hands-free to talk at ease.



Certification
CE
CE/99/05 compliant
ETSI EN 300 296-2
ETSI EN 300 220-3

Packaging and codes



Blister:
radio pair, double desktop charger, double wall charger, lithium battery, belt clip, neck strap

- › black, blue display **code C724**
- › black, grey display **code C724.04**
- › black vers. E **code C724.12**
- › black vers. UK **code C724.09**
- › red, blue display **code C724.01**
- › red, grey display **code C724.05**
- › red vers. UK **code C724.10**

Limited edition:

- metal case with radio pair, 2 earphones, double desktop charger, double wall charger, 2 lithium batteries, belt clip, neck strap
- › black, blue display **code C724.06**
 - › black, grey display **code C724.02**
 - › black vers. E **code C724.13**
 - › red, blue display **code C724.07**
 - › red, grey display **code C724.03**

› code C724.08

Alan777 diabolika, unique and exclusive, dedicated to those who love class and elegance

Special packaging and full optional:

- › "Diabolik and Eva Kant" silk-screen black metal case
- › "Diabolik and Eva Kant" personalized black and red transceiver pair
- › 2 belt clips
- › 2 ALAN777 diabolika personalized neck strap
- › two slot desktop battery charger and wall adapter with dual travel charge function
- › 2 earphones
- › 2 lithium batteries

Two special collectables:

- › Mouse pad with "Diabolik and Eva" personalized graphics
- › Original 1985 keychain: gadget enclosed with Diabolik n. 10/1985 "Appointment with revenge"



A HIGH performance radio

Available in dual band and PMR446 (Midland G7E) versions

Robust and extremely convenient, it is the best way to keep in contact with colleagues and friends at all times for free.

A valid solution to professionally manage a work team, to communicate with several people in a construction site, sporting event, show, trade fair, hotel, etc.

Main features

- Dual band PMR446/LPD (Midland G)
- PMR446 (Midland G7E)
- VIBRACALL function
- Backlit LCD display
- Battery low indicator
- Auto power save: automatic battery saving circuit
- High/low power selection (in PMR mode, to optimise battery pack consumption)
- 38 CTCSS tones in TX and RX
- CALL key with 5 selectable tones
- Keypad lock
- VOX for hands-free communications
- MON key (channel monitor)
- Dual Watch

Certification



CE/99/05 compliant



Packaging and codes



G7 Blister:

radio pair, two slot desktop charger, wall charger, 2 800mAh battery packs, belt clip
code **C776**
vers. **E code C776.05**

G7 single package:

1 radio, wall charger, 4 NI-MH AA 1,2V/1700 mAh rechargeable batteries, belt clip
code **C776.03**

G7 Camouflage single package:

1 radio, wall charger, 4 NI-MH AA 1,2V/1700 mAh rechargeable batteries, belt clip
code **C776.04**



Camouflage version, original Mossy Oak®



› code C773

A compact radio with full professional potential

Certification
CE D
CE/99/05 compliant ETS EN 300 296-2

Midland G12 is a semi-professional PMR446 distinguished for its compact size and robustness. It is designed for all users who require a transceiver suited for intense use in extreme conditions. Typical of work conditions where durability and water resistance are the main requirements. The 1800 mAh Ni-MH battery pack provides over 26 hours of autonomy (5/5/90). Regardless of its compact size, it has truly professional features, with PRG-G12 (opt.) software to program 8 channels with personalized sub-tone (CTCSS and DCS).

Main features

- › 8+8 channels - 8 PMR446 + 8 preprogrammed with CTCSS
- › Wide automatic backlit LCD display
- › Status LED - signals device operating mode (reception, standby or transmission)
- › Automatic power saver
- › CTCSS/DCS codes - to only communicate with users who set your code
- › Channel scanner - automatic radio signal scan on your favourite channels
- › Dual Watch - to monitor radio traffic on two channels
- › VOX (Voice Operated exchange) - hands-free communications without pressing PTT: just talk
- › Call key - sends an audio call with one of the 10 selectable ring tones
- › Vibration alert
- › High/low power selection - to prolong battery autonomy
- › Reception signal indicator
- › Battery charge indicator
- › Keypad lock
- › Battery operable with 3 AA type rechargeable or alkaline batteries (optional)
- › Two pin speaker and microphone/battery charger jacks (SPK, MIC/CHG)

Packaging

Box with 1 radio, desktop charger, wall charger, 1800mAh Ni-MH battery pack, belt clip.

PRG-G12 code C789
Software programmer



› **Black code G815.07**
› **Bordeaux code Kit040, with rapid desktop charger**

Certification
CE 0523 D
CE/99/05 compliant ETS EN 300 296-2

The utmost professional

The professional licence-free UHF operable throughout Europe. Designed to meet the needs of all those who require high performance with 26-hour autonomy. Die cast aluminium chassis, shock, dust and water resistant. Ideal for use in construction sites, for electricians and plumbers, security, port authorities, stadiums, hotels, conventions, distribution and logistics, etc.

Main features

- › 50 CTCSS + 104 DCS ensure conversation privacy and party lines
- › Battery/Save increases battery life
- › Vox for hands-free conversations adjustable on 2 levels
- › Superior audio quality thanks to the use of a professional loudspeaker and background noise cancelling
- › Roger Beep
- › Busy channel lock out: Disables transmission when the channel is busy.
- › LCD display with quick settings and mode indications
- › Time Out Timer (Max conversation length). Helps extend battery life.
- › CALL key
- › MON key (channel monitor)
- › Keypad lock
- › Low battery indicator (visual and acoustic)
- › Last channel save

Packaging

Box with 1 black radio, slow desktop charger, 1300mAh Ni-MH battery pack, belt clip.
Box with 1 bordeaux radio, rapid desktop charger, 1300mAh Ni-MH battery pack, belt clip.



Alan K1

› code C761

Certification
CE
 CE/99/05 compliant
 ETS EN 300 296-2

For true adventurers

With electronic compass and chronometer with intermediate timer. Ideal for keeping in contact during sporting events and recreation. The standard electronic compass indicates the direction to be followed while the chronometer with intermediate timer allows more demanding athletes to monitor their performance.

Main features

- › Splash proof
- › 38 CTCSS tones in RX and TX
- › 20 programmable channels
- › Backlit multi-function LCD display
- › Auto power save: automatic battery saving circuit
- › VOX/Babysitter function programmable on 6 sensitivity levels with possibility of regulating the reception delay on 6 other levels
- › Roger Beep on/off
- › Scanner (free/busy channel scan)
- › Dual watch (2 channel monitor)
- › Selectable on/off keypad / on beep
- › Keypad lock
- › CALL key to send call beep to users
- › Battery low indicator on display
- › MON key (channel monitor)

Packaging

Box with 1 radio, belt clip and wrist band

Small manageable, secure grip

Thanks to the rubber coating and small size, the **Alan K1** is great for all occasions.

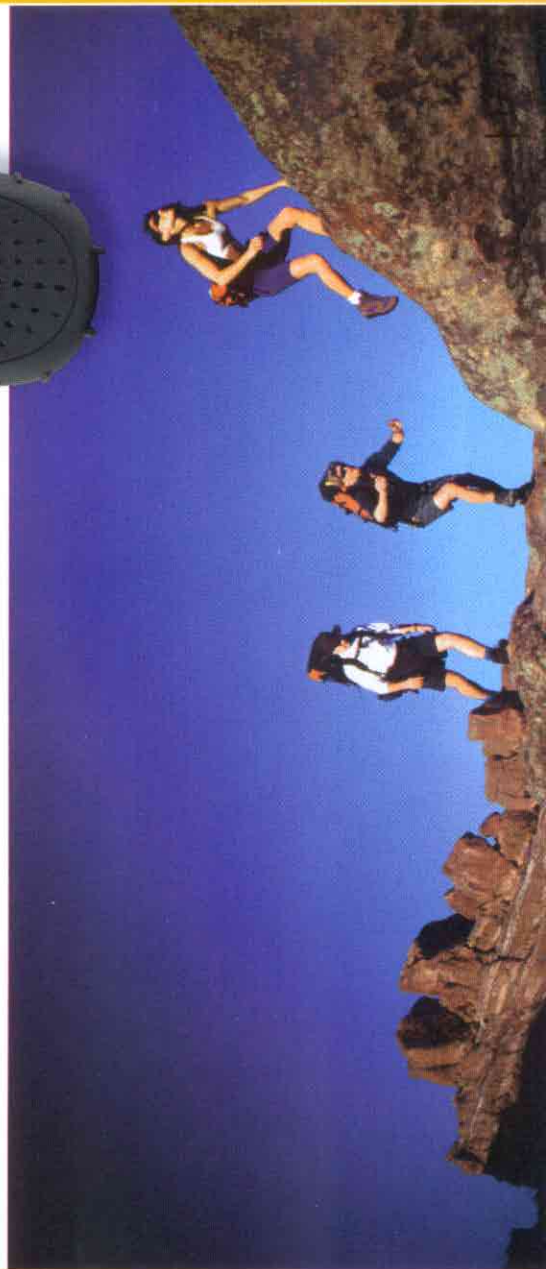


Packaging

- › blister with radio pair, 2 wall chargers, 6 rechargeable batteries, belt clip, wrist band

Main features

- › 8 channels
- › 20 preprogrammed channels
- › 38 CTCSS tones in TX and RX
- › Alphanumeric backlit LCD display
- › Keypad lock to prevent accidental calls
- › Out of range function
- › Auto power save: automatic battery saver circuit that reduces consumption up to 50%.
- › VOX / Babysitter function adjustable on 6 sensitivity levels
- › Roger Beep
- › CALL key to send call beep to users



Midland G5

- › **Kit code C735**
- › **Plus code C735.06**
- › **Kit with binoculars code C736**

Certification
CE
CE99/05 compliant ETS EN 300 296-2

Manageable and extremely practical

Main features

- › Backlit multi-function LCD display
- › 38 CTCSS tones in TX and RX
- › Auto power save: automatic battery saving circuit
- › Battery low indicator on display
- › VOX for hands-free communications
- › CALL key
- › Roger Beep on/off
- › SCAN function (busy channel scan)
- › Squelch (noise reduction filter)
- › Keypad lock

Packaging

- › **Kit:** blister with radio pair, 2 MA28-G5 microphones, 2 wall chargers, 6 rechargeable batteries, belt clip, wrist band
- › **Plus:** blister with radio pair, double wall charger, 6 rechargeable batteries, belt clip, wrist band
- › **Kit with binoculars:** blister with radio pair, 10x zoom binoculars with case, belt clip, wrist band.



Alan 456R

- › **Black code C690**
- › **Silver code C690.01**

Certification
CE
CE99/05 compliant ETS EN 300 296-2

The "multipurpose" radio

Main features

- › Motorcycle Intercom function for full duplex communications between driver and passenger
- › Scanner (free/busy channel scan)
- › 38 CTCSS and 83 DCS for disturbance-free conversations and to send calls to user groups
- › 9 programmable channels
- › Dual Watch
- › Automatic battery saver
- › Backlit multi-function LCD display
- › Roger beep
- › VOX adjustable on 6 levels of sensitivity and delay
- › Babysitter function
- › CALL key
- › MON key (channel monitor)
- › Keypad lock
- › Battery low indicator on display

Packaging

- › Box with 1 radio, belt clip, wrist band



Alan 451R

- › **Silver code C698.01**

Certification
CE
CE99/05 compliant ETS EN 300 296-2

The synthesis of simplicity and practicality 68-hour autonomy!

Main features

- › Scanner (free/busy channel scan)
- › Dual Watch
- › Automatic battery saver
- › Backlit multi-function LCD display
- › Roger beep
- › Adjustable VOX for hands-free conversations
- › CALL key
- › Squelch (noise reduction filter)
- › Keypad lock
- › MON key (channel monitor)
- › Battery low indicator on display

Packaging

- › Box with 1 radio, belt clip and wrist band



Alan 443

- › Available for German market
Silver code C711.02

Certification
CE
CE/99/05 compliant ETS EN 300 296-2

Single and group communications

Main features

- › 20 preprogrammed channels
- › Scanner (free/busy channel scan)
- › Dual Watch
- › Battery saver
- › Backlit multi-function LCD display
- › End call confirmation beep
- › Adjustable VOX for hands-free conversations
- › "Out of range" function
- › Preprogrammed CTCSS and Baby sitter
- › CALL key
- › Squelch (noise reduction filter)
- › Keypad lock
- › MON key (channel monitor)
- › Battery low indicator on display

Packaging

Box with radio pair, belt clip, wrist band



Alan 441

- › Iceberg grey code C685
- › Black code C685.03

Certification
CE
CE/99/05 compliant ETS EN 300 296-2

Shape perfection

Main features

- › Scanner (free/busy channel scan)
- › Dual Watch
- › Automatic battery saver
- › Backlit multi-function LCD display
- › End call confirmation beep
- › Automatic Squelch
- › CALL key
- › Keypad lock
- › VOX for hands-free communications
- › MON key (channel monitor)
- › Battery low indicator

Packaging

Box with radio pair, belt clip, wrist band



Alan 421

- › code C710.01

Certification
CE
CE/99/05 compliant ETS EN 300 296-2

Lightweight and compact

The Alan 421 transceiver is distinguished for its extremely small size (only 28 mm thick) and lightweight and compact design. Alan 421 holds all the main functions for those who demand an essential, reliable and easy to use transceiver.

Main features

- › Scanner (free/busy channel scan)
- › Automatic battery saver
- › Backlit multi-function LCD display
- › End call confirmation beep
- › CALL key
- › Roger Beep
- › Battery low indicator
- › Keypad lock

Packaging

Box with radio pair, belt clip and wrist band



Tectalk Mag

› code C775



the PMR446 with magnetic antenna

In addition to having all PMR446 technical specifications and functions, the **Tectalk Mag** transceiver also includes a practical mini magnetic antenna that makes it truly unique and indispensable for on the road use. Ideal for personal use and for business, crafts, construction and work conversations where simultaneous and constant contact is fundamental.

Certification



CE/99/05 compliant
ETS EN 300 296-2

Main features

- › Battery low indicator
- › CTCSS tone selection
- › Automatic channel scan
- › 2 channel fast scan (Dual Watch)
- › VOX for hands-free communications
- › Automatic keypad lock
- › Display with dual lighted indication
- › 2.5 mm stereo speaker and microphone jack

Packaging

Box with 1 radio, built-in magnetic antenna with 3-meter wire, wrist band, belt clip.

Certification



CE/99/05 compliant
ETS EN 300 296-2

Base 446

› code G969

Impeccable communications anywhere

Base 446 can be even be used as a pager or intercom station. Its small size makes it practical anywhere and can even be wall mounted.

The fixed telescopic antenna ensures good signal even in closed rooms. The device operates with 1 9V battery (optional) or with supplied power adapter.

Main features

- › CTCSS DETECTOR: CTCSS tone detector
- › Scanner (busy channels)
- › Automatic Squelch
- › VOX/Babysitter function programmable on 3 levels
- › 38 CTCSS tones individually selectable in TX and RX
- › MON key (channel monitor)
- › Backlit multi-function LCD display
- › Auto power save: automatic battery saving circuit
- › Ring tone with 10 different selectable melodies
- › Roger Beep on/off
- › Keypad lock
- › Battery low indicator
- › Volume control
- › CALL key

Packaging

Single box with wall power adapter



Alan 860

› code C727

Certification
CE
 CE/99/05 compliant
 ETS EN 300 220-3

The transceiver on 860 MHz

Practicality and design make the ALAN 860 the right choice for professional, sport and recreational use. This new type of LPD, operates in 4 bands including 860MHz frequency, unrestricted use in various EU countries. Equipped with full duplex motorcycle intercom (simultaneous reception and transmission like a phone), thanks to compatible motorcycle kits (optional). Auto power save: automatic battery saver circuit that reduces consumption up to 50%. VOX function programmable on 3 levels of sensitivity.



Intercom

Main features

- › 860MHz band
- › Driver-passenger full duplex intercom
- › 38 CTCSS tones
- › Backlit multi-function LCD display
- › Selectable on/off keypad / on beep
- › Keypad lock
- › CALL key to send users a call beep selectable from 10 different tones
- › MON key (channel monitor)
- › Roger Beep on/off
- › Battery low indicator on display

Packaging

Box with 1 radio, wall charger, belt clip and wrist band

Alan 503

› code C605.01

Certification
CE
 CE/99/05 compliant
 ETS EN 300 220-1

Practicality and simplicity

Alan 503 is distinguished for its essential functions that make it simple and immediately ready to use. Just pick one of the 3 channels and talk, Alan 503 does the rest.



Intercom

Main features

- › LPD band
- › Driver-passenger full duplex intercom
- › Practical and immediate channel selector
- › Transmission led
- › Battery low indicator
- › Automatic battery saver
- › CALL key
- › End call beep
- › Automatic Squelch and
- › MON key (channel monitor)
- › 2-level sensitivity VOX

Packaging

Box with 1 radio, belt clip, wrist band

Midland G7L

› code C604.06

Certification
CE
 CE/99/05 compliant
 ETS EN 300 220-1

A HIGH performance radio on LPD band

Midland G7L sets a new benchmark for LPD band radios. Sturdy, versatile and easy to use, these features make the Midland G7L the most complete LPD band radio on the market today.



Main features





- › LPD band
- › VIBRACALL function
- › Backlit LCD display
- › Battery low indicator
- › Auto power save: automatic battery saving circuit
- › 38 CTCSS tones in TX and RX
- › CALL key with 5 selectable tones
- › Keypad lock
- › VOX for hands-free communications
- › MON key (channel monitor)
- › Dual Watch





Packaging





Box with 1 radio, wall charger, 4 Ni-MH AA 1,2V/1700 mAh rechargeable batteries, belt clip

Technical Specifications

Band	PMR446-LPD (Dual band)		Midland G7		PMR446		Alan HP446 extra	
Model	Alan777		8 PMR446/69 LPD		8 + 8 preprogrammed		8 +99 preprogrammed	
Channels	8 PMR446/69 LPD							
Memory								
CTCSS and DCS	38 CTCSS		38 CTCSS		38 CTCSS, 83 DCS		50 CTCSS, 104 DCS	
Vox	2 levels of sensitivity		2 levels of sensitivity		3 levels of internal vox + 3 external levels		2 levels of sensitivity	
Batteries	720mAh 3.7V lithium battery pack		800mAh battery pack or 4 AA rechargeable or alkaline		1800mAh battery pack or 3 AA rechargeable or alkaline		NiMH 1300 mAh battery pack	
Autonomy	Up to 18 hours		Up to 25 h with NiMH 800mAh battery		more than 28 hours, with battery pack		Up to 26 hours	
Display	backlit multi-function LCD		backlit multi-function LCD		backlit multi-function LCD		backlit multi-function LCD	
Transmission power	500mW ERP pmr446 (high/low level) 10mW lpd		500mW ERP pmr446 (high/low level) 10mW lpd		500 mW ERP (high/low level)		500 mW ERP (high/low level)	
Working temperature	-20° +55°C		-20° +55°C		-20° +55°C		-25° +55°C	
Weight	58 gr		123 gr		115 gr		365 gr (with battery)	
Dimensions	86x19x42 mm		58x122x34 mm		52x121x32 mm		62x133x40 mm	
Connections	audio accessory jack, wall charger		audio accessory jack, wall charger		audio accessory jack, wall charger		audio accessory jack, wall charger	
Jack type	1 Pin - 2,5 mm		2 Pin		2 Pin		2 Pin	

Band	PMR446		Alan K1		Midland G5		Alan456R	
Model	Alan445 Sport		Alan K1		Midland G5		Alan456R	
Channels	8 + 20		8		8		8	
Memory	20						9	
CTCSS and DCS	38 CTCSS		38 CTCSS				38 CTCSS, 83 DCS	
Vox	6 levels of sensitivity		6 levels of sensitivity		1 level of sensitivity		6 levels of sensitivity and delay	
Batteries	4 AA rechargeable or alkaline		3 AAA rechargeable or alkaline		3 AAA rechargeable or alkaline		3 AA Rechargeable or alkaline	
Autonomy	40 h 1800mAh batteries		Up to 35 h with alkaline batteries		Up to 35 h with alkaline batteries		Up to 68 h with alkaline batteries	
Display	backlit multi-function LCD		backlit multi-function LCD		backlit multi-function LCD		backlit multi-function LCD	
Transmission power	500 mW ERP (high/low level)		500 mW ERP		500 mW ERP		500 mW ERP	
Working temperature	-20° +55°C		-20° +55°C		-20° +55°C		-20° +55°C	
Weight	157 gr		65 gr		63 gr		100 gr	
Dimensions	55x126x38 mm		50x83x28		53x89x28 mm		53x95x30 mm	
Connections	audio accessory jack, wall charger		audio accessory jack, wall charger		audio accessory jack, wall charger		audio accessory jack, wall charger	
Jack type	2 Pin		1 Pin - 2,5 mm		1 Pin - 2,5 mm		2 Pin	

				
Band	PMR446	Alan443	Alan441	Alan421
Model	Alan451R			
Channels	8	8 +20 preprogrammed	8	8
Memory				
CTCSS and DCS		38 CTCSS	38 CTCSS	
Vox	3 levels of sensitivity and delay	3 levels of sensitivity	3 levels of sensitivity	
Batteries	3 AA rechargeable or alkaline	3 AAA rechargeable or alkaline	3 AAA rechargeable or alkaline	3 AAA rechargeable or alkaline
Autonomy	Up to 68 h with alkaline batteries	Up to 35 h with alkaline batteries	Up to 35 h with alkaline batteries	35 h with alkaline batteries
Display	backlit multi-function LCD	backlit multi-function LCD	backlit multi-function LCD	backlit multi-function LCD
Transmission power	500 mW ERP	500 mW ERP	500 mW ERP	500 mW ERP
Working temperature	-20° +55°C	-20° +55°C	-20° +55°C	-20° +55°C
Weight	105 gr	78 gr	78 gr	85 gr
Dimensions	53x95x30 mm	54x87x34 mm	54x87x34 mm	53x88x28 mm
Connections	audio accessory jack, wall charger	audio accessory jack, wall charger	audio accessory jack, wall charger	audio accessory jack, wall charger
Jack type	2 Pin	2 Pin	2 Pin	1 Pin - 2,5 mm

				
Band	PMR446	LPD	Midland G7L	860MHz
Model	Tectalk Mag	Alan503	Midland G7L	Alan860
Channels	8	3	69	48+40+10+24 divided in 4 bands, default band settings 24 ch
CTCSS and DCS	38 CTCSS	38 CTCSS	38 CTCSS	38 CTCSS
Vox	3 levels of sensitivity	2 levels of sensitivity	2 levels of sensitivity	3 levels of sensitivity
Batteries	4 AAA rechargeable or alkaline	3 AA rechargeable or alkaline	1 800mAh battery pack or 4AA rechargeable or alkaline	3 AA rechargeable or alkaline
Autonomy	about 35 hours	Up to 96 hours with alkaline batteries	Up to 68 hours with alkaline batteries	Up to 40 hours with 1700mAh batteries
Display	backlit multi-function LCD	backlit multi-function LCD	backlit multi-function LCD	backlit multi-function LCD
Transmission power	500 mW ERP	500 mW ERP	10 mW ERP	25mW or 5mW ERP
Working temperature	-20° +55°C	-20° +55°C	-20° +55°C	-20° +55°C
Weight	137 gr	103 gr	109 gr	110 gr
Dimensions	29x95x29 mm	50x95x25 mm	50x95x25 mm	56x124x32 mm
Connections	Audio accessory jack, external power adapter	Audio accessory jack, external power adapter	Audio accessory jack, wall charger, intercom kit jack	Audio accessory jack, wall charger, intercom kit jack
Jack type	1 Pin - 2,5 mm	1 Pin -3,5 mm	2 Pin	2 Pin

PMR446/LPDP accessories

Connector key



1 Pin 2,5mm stereo



1 Pin 3,5mm stereo



2 Pin

Headphones microphones earphones adapter



HD-NR25 - C 793
Dynamic noise reduction headphones with microphone and PTT (See page 51)
 ■ Compatible with all devices with 2 Pin jack

NEW



MA35N - C 652.01
Headphones with microphone
 ■ Compatible with all devices with 2 Pin jack

NEW



MA31 - C 732
Microphone with pneumatic earphone
 ■ Compatible with all devices with 2 Pin jack



MA 24 - C 517
Talk/listen microphone with VOX/PTT
 ■ Compatible with all devices with 2 Pin jack



MA30 - C 648
Microphone with adjustable arm
 ■ Compatible with all devices with 1 Pin - 3,5mm stereo jacks

MA30-G5 - C 648.02
Microphone with adjustable arm (2 piece package)
 ■ Compatible with all devices with 1 Pin - 2,5mm stereo jacks

MA30 P - C 648.01
Microphone with adjustable arm
 ■ Compatible with all devices with 2 Pin jack

MA28 - C 559
Talk-listen microphone
 ■ Compatible with all devices with 2 Pin jack



MA28-G5 - C 559.01
Talk-listen microphone
 ■ Compatible with all devices with 1 Pin - 2,5mm stereo jacks

MA LPD Mini - C 572.01
Talk-listen microphone
 ■ Compatible with all devices with 1 Pin - 3,5mm stereo jacks



AE 37 - C 717 (AE740)
Speaker mike
 ■ Compatible with all devices with 1 Pin - 2,5mm stereo jacks

NEW

MA 21-D - C 709
Microphone with adjustable earphone and PTT, with spiral wire
 ■ Compatible with all devices with 2 Pin jack



MA 21-S - C 709.01
Microphone with adjustable earphone and PTT, with spiral wire
 ■ Compatible with all devices with 1 Pin - 3,5mm stereo jacks

MA 21-XS - C 709.02
Microphone with adjustable earphone and PTT, with spiral wire
 ■ Compatible with all devices with 1 Pin - 2,5mm stereo jacks



MA 26 - C 515
Speaker mike with volume knob and earphone jack
 ■ Compatible with all devices with 2 Pin jack

NEW



SMK05/25 - G894
Grey waterproof speaker mike
 ■ Compatible with all devices with 2 Pin jack



AE38 - C 823
Throat microphone headset activated mike with PTT and finger PTT (see page 52)
 ■ Compatible with all devices with 2 Pin jack

NEW



C651
Adapter
 ■ To make compatible with all devices with 1 Pin - 3,5mm stereo jack with 2 Pin accessories

Car and motorcycles intercoms
see section from page 43

MA46 - C 660
Motorcycle driver kit
■ **Compatible with all devices with 2 Pin jack**

MA46B - C 660.01
Motorcycle passenger kit
■ **Compatible with all devices with intercom jack**



MA48 - C 699
Skull mike kit passenger/driver
■ **Compatible with all devices with 2 Pin jack and intercom**

MA48D - C 699.01
Motorcycle driver head kit
■ **Compatible with all devices with 2 Pin jack**

MA48P - C 699.02
Motorcycle passenger head kit
■ **Compatible with all devices with intercom jack**



Microphone/speaker helmet set

OHS500 Microphone/speaker with external arm

CHS300 Microphone/speaker for full helmet

OHS550 Microphone/speaker with internal arm

BHS300 Adapter cable with PTT compatible with 2 Pin devices

BHS301 Adapter cable with PTT compatible with 2 Pin devices

BHS303 Adapter cable for intercom jack

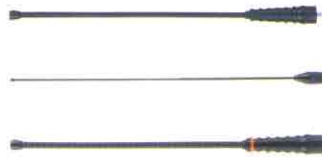
See page 47

NEW

Antennas, battery charger, batteries, chargers

NEW

PMR Flex - C 780
Antennas and adapter
■ **Compatible with:**
PMR446: Alan456R, Alan451R, Alan443, Alan441



NEW

G7 Flex - C 646.01
Antennas and adapter
■ **Compatible with:** Midland G7 line

NEW

LPD Flex - C 672
Antennas and adapter
■ **Compatible with:**
LPD: Alan507, Alan516, Alan503

NEW

CA 456 - C 664.02
Desktop battery charger with 3 1200mAh Ni-MH rechargeable batteries
■ **Compatible with:**
PMR446: Alan451R, Alan456R
LPD: Alan516, Alan503



NEW

CA 445 - C 748
Desktop battery charger with wall and car charger
■ **Compatible with:**
PMR446: Alan445 Sport



NEW

CA 456 2S - C 669
Double desktop battery charger with 6 700mAh rechargeable batteries
Charges 2 radios simultaneously
■ **Compatible with:**
PMR446: Alan451R, Alan456R
LPD: Alan516, Alan503



NEW

CA441-2S - C 712
Double slow desktop charger with 2 3.6V 600mAh rechargeable battery packs
■ **Compatible with:**
PMR446: Alan443, Alan441

CA-ATL/G7 - C 785
Double desktop battery charger
■ **Compatible with:** Midland G7 line



NEW

CA MAG CAR - C 781
Car charger
■ **Compatible with:**
PMR446: Tectalk Mag



NEW

CA MAG 230 - C 782
Desktop charger
■ **Compatible with:**
PMR446: Tectalk Mag



NEW

RC05 - C 663
Grey desktop rapid charger
C663.02
Black desktop rapid charger
SC05 - G 949
Slow desktop charger
BP0513 - G 811
1300 mAh NiMH grey battery pack
BP0513 - G 811.02
1300 mAh NiMH black battery pack
BP0518 - G 811.03
1800 mAh NiMH black battery pack
■ **Compatible with:**
PMR446: HP446extra



PB-ATL/G7 - C 784
800mAh rechargeable battery pack
■ **Compatible with:** Midland G7 line



NEW

PB-777 - C 783
720mAh 3.7V rechargeable lithium battery pack
■ **Compatible with:** Alan777 line



NEW



PB G12 - C774
1800mAh Ni-MH 3.6V rechargeable battery pack
■ **Compatible with:** Midland G12

NEW



C 696
Ni-MH 1.2V/1200 mAh rechargeable batteries
C 697
Ni-MH 1.2V/1700 mAh rechargeable batteries
C 734
Ni-MH 1.2V/2300 mAh rechargeable batteries
■ **Compatible with all devices that use "AA" batteries**

50 piece packages



MR600 - C707
Ni-MH AAA 1.2V/600mAh rechargeable batteries
■ **Compatible with all devices that use "AAA" batteries**

48 piece packages



AL UNI - C 519
Universal lighter power cord adapter with multiple plug, fuse and led.
■ **Compatible with:**
PMR446: Alan451R, Alan421, Alan456R
LPD: Alan507, Alan516, Alan503



AL 55 SW - C 538
Universal step-up car battery charger for batteries up to 12Vcc with multiple plug, protection fuse and led.
■ **Compatible with:**
PMR446: Alan451R, Alan421, Alan456R
LPD: Alan507, Alan516, Alan503



AL 777 - C803
Lighter power cord
■ **Compatible with:**
Alan777, K1, Midland G5, Midland G12 line
AL 777 - C814
Lighter power cord
■ **Compatible with:** Midland G7 line
Alan445 Sport

NEW

NEW



MW903 GS - C 606
Wall charger
■ **Compatible with:**
PMR446: Alan451R, Alan421, Alan456R
LPD: Alan507, Alan516, Alan503

MW904 - C689

Wall charger
■ **Compatible with:**
PMR446: Alan443, Alan445 Sport, Alan441, Midland G7 line
LPD: Alan850

MW-G5 - C741

Wall charger
■ **Compatible with:**
PMR446: Midland G5, Midland G12



MW-12/220 - C 747
Multiple battery charger for 600mAh and 2400mAh AA and AAA battery types. Equipped with wall and lighter jack (batteries not included)



MW-Traveller - C746
Multiple battery charger for 600mAh and 2400mAh AA and AAA battery types. Equipped with interchangeable Europe, England, USA and Australia jack and plugs (batteries not included)

Cases



CC46 Cell - G915
"cell phone" type imitation leather case with belt clip
■ **Compatible with:**
PMR446: HP446extra



CC 441-T - C 704
Transparent case with belt clip
■ **Compatible with:**
PMR446: Alan443, Alan441



CC45R - C713
Rope case
■ **Compatible with:**
PMR446: Alan451R, Alan456R



CCUN-WP - C 730
Waterproof case
■ **Compatible with:** all devices except Midland G7 and Alan 445Sport



CSS507 - C 681.01
Imitation leather case
■ **Compatible with:**
LPD: Alan507



CC ATL /G7 WP - C 826
Waterproof case
■ **Compatible with:** Midland G7 line and Alan 445 Sport

NEW



CC 56-Mil C 673.02
Camouflage case
■ **Compatible with LPD:** Alan516, 503



CSS507-Mil - C 681.02
Camouflage case
■ **Compatible with LPD:** Alan507



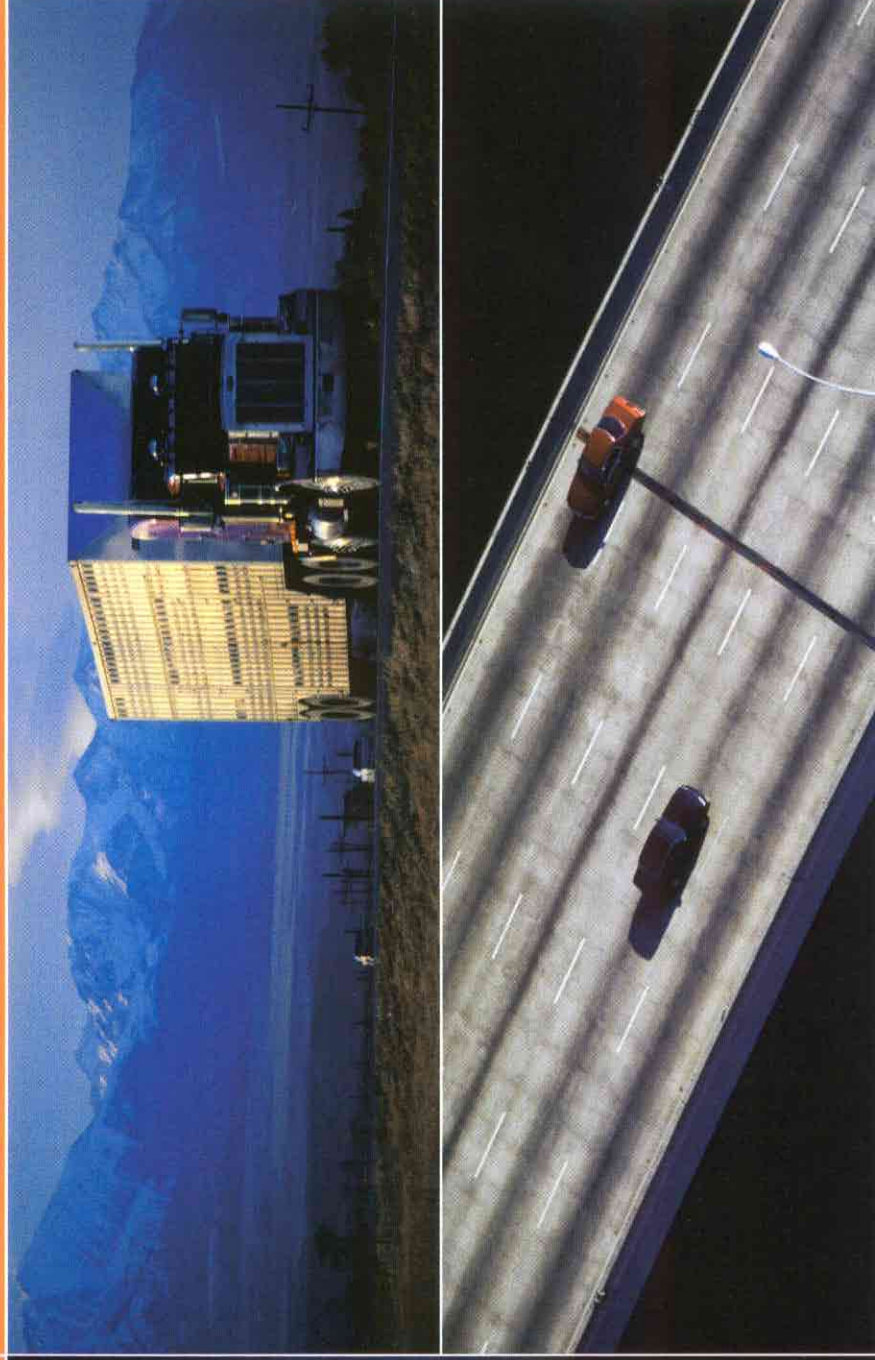
CC-UN - C 679
Belt case
■ **Compatible with:** all



PO-UN - C 680
Waist pack
■ **Compatible with:** all

Citizen Band

mobile/portable and VHF/43Mhz transceivers



Alan 8001 Plus

- › S Plus code C533.06
- › Plus Euro code C533.07

Certification
CE 0648 ①
CE/99/05 compliant
ETSI EN 300 433/EN 300 135



Alan 8001 Plus is a mobile transceiver, simple and easy to use, ideal for long distance "DX" connections. **ALAN 8001 Plus** is equipped with 17 controls and 5 indicators such as, for example, the microphone gain adjustment knob (MIC GAIN), the modulation selector (AM-FM-LSB-USB), the SWR-CAL / RF PWR knob that allows the control of the antenna calibration (SWR-CAL) or the RF power output adjustment.

Available in two versions, distinguished by output power:

- › Alan 8001 S Plus at 4W AM - 4W FM - 4W SSB
- › Alan 8001 Plus Euro at 1W AM - 4W FM - 4W SSB

Main features

- › External Squelch
- › Microphone gain
- › SWR CAL: immediate antenna calibration control
- › RF power selection: RF output power adjustment in AM-FM
- › Modulation selection (AM-FM-LSB-USB)
- › Clarifier: possibility of varying receiver operating frequency over and under the assigned frequency. Function essential for SSB signals, it can improve AM/FM signals
- › Frequency meter: accurate reception and transmission frequency display
- › Choice between measuring device output power or modulation
- › NB/ANL: reception signal optimization eliminating impulse disturbances

Packaging

- 1 radio, microphone, mounting bracket, fixing screws.

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Alan 48 Excel Multi

- › code C580.13

Certification
CE 0648 ①
AUTOMOTIVE approval Nr.:
C-3 02.1045
CE/99/05 compliant
ETSI EN 300 296-2



Alan 48 Excel Multi is a 40-channel CB mobile radio.

The main characteristic is the "SSP2" device (dynamic disturbance suppressor) that significantly reduces audio disturbance (up to 95%), for easy listening even when the signal is noisy. The backlit keys and wide multi-functional display allows you to view the channel number or corresponding frequency.

It is equipped with an analog S-meter for convenient display of the transmitted power and received signal and, additionally, the choice of any European CB band using a simple and immediate procedure. It also includes a completely automatic voltage transformer for use on cars with either 12 or 24 Volt batteries without the need of any other accessory. **Alan 48 Excel Multi** is supplied according to band "EC" CEPT 40CH FM 4W (See frequency band table page 32).

Main features

- › Compact microphone with UP/DOWN keys.
- › 6 PIN microphone jack
- › RF GAIN, MIC GAIN, SCAN, EMG, D.W.
- › 5 memories
- › PA jack
- › External speaker jack
- › External s-meter jack
- › Channel lock

Packaging

- 1 radio, microphone, mounting bracket, fixing screws.

12-24VCC

Alan 48 Plus Multi

› code C422.13



Certification

CE 0648

AUTOMOTIVE approval Nr.:
C-3 02 1046

CE/99/05 compliant
ETS EN 300 135-2 EN 300 433-2

Alan 48 Plus Multi is an easy to use mobile transceiver that allows you to choose any European CB band, and therefore can be used in all European countries (See frequency band table page 32).

Main functions

- › Backlit multi-function display
- › "Precision series" microphone with UP/DOWN/LOCK keys
- › External speaker jack
- › External s-meter jack
- › SCAN function
- › Dual Watch function

Packaging

- 1 radio, microphone, mounting bracket, fixing screws.



Alan 78 Plus Multi

› code C423.13



Certification

CE 0648

AUTOMOTIVE approval Nr.:
e-3 02 1047

CE/99/05 compliant
ETS EN 300 135-2 EN 300 433-2

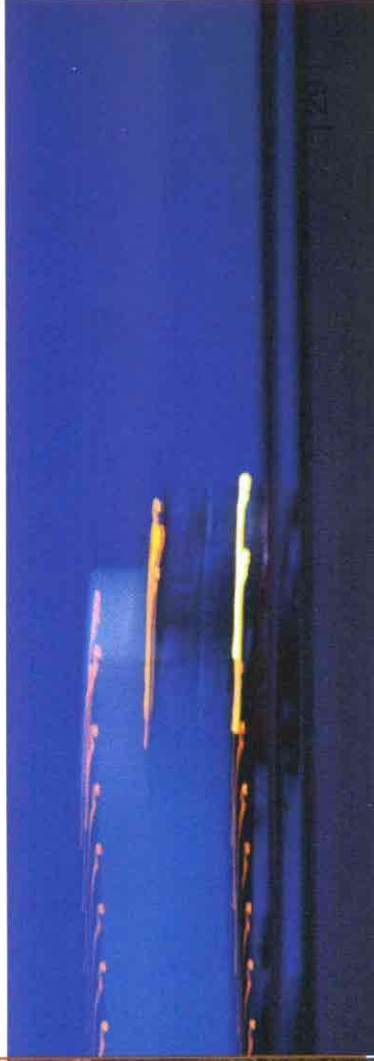
Alan 78 Plus Multi stands out for its compact size and is extremely user friendly allowing you to choose any European CB band, and therefore can be used in all European countries (See frequency band table page 32).

Main functions

- › Backlit multi-function display
- › "Precision series" microphone with UP/DOWN/LOCK keys
- › External speaker jack
- › External s-meter jack
- › SCAN function
- › Dual Watch function

Packaging

- 1 radio, microphone, mounting bracket, fixing screws.



Alan 48 - 40 channels

› code C217



Certification

CE 0648 ①

AUTOMOTIVE approval Nr.:

E3 02 1049

CE/99/05 compliant

DM 15-07-77 DM 02-04-85

Alan 48 is a complete device for truly demanding radio amateurs. In fact, in addition to standard RTX features, it includes:

- › MIC GAIN. Microphone gain control for constantly perfect modulation
- › RF GAIN. Antenna pre-amplifier gain adjustment control
- › FIL. Reception signal tune adjustment control
- › ANL. Automatic noise limiter
- › PA. Flip this switch to transform the device in a low frequency amplifier (with supplementary speaker).
- › Lighted front.

Packaging

1 radio, microphone, mounting bracket, fixing screws.

**Top Italian sellers:
Alan 48 for 20 years, Alan 68S for 23!**

Alan 68 S - 34 channels

› code C025



Certification

CE 0648 ①

AUTOMOTIVE approval Nr.:

E3 02 1044

CE/99/05 compliant

DM 15-07-77 DM 02-04-85

Alan 68 S was the first 4.5 W AM/FM transceiver approved in Italy.

Since 1983, it is still the NUMBER ONE 34-channel CB.

- In addition to standard RTX features, it includes:
- › MIC GAIN. Microphone gain control for constantly perfect modulation
 - › RF GAIN. Antenna pre-amplifier gain adjustment control
 - › FIL. Reception signal tune adjustment control
 - › ANL. Automatic noise limiter
 - › PA. Flip this switch to transform the device in a low frequency amplifier (with supplementary speaker).

Packaging

1 radio, microphone, mounting bracket, fixing screws.



Alan 199-A AM

- › code C702

Certification
CE 0648
AUTOMOTIVE approval Nr.:
C-3 02 1065
CE/99/05 compliant
EN 300 433-2



Alan 199-A is a small mobile transceiver that operates in AM mode. Fast and easy to use, **Alan 199-A** allows you to choose the output power and therefore can be used in all European countries that permit AM regulation.

Main functions

- › Channel display
- › Up/Down keys
- › Microphone jack on radio front
- › Internal speaker and external speaker jack
- › SO239 antenna connector

Packaging

- 1 radio, microphone, mounting bracket, fixing screws.

Alan 100 Plus

- › AM/FM code C442
- › Euro code C442.07

Certification
CE 0648
AUTOMOTIVE approval Nr.:
C-3 02 1043
CE/99/05 compliant
DM 15-07-77 DM 02-04-85



Alan 100 Plus is a small mobile transceiver with technological content on par with its big brothers. Practical independent volume and squelch control help you achieve optimal reception while the supplied condenser microphone guarantees better audio.

Available in two versions, distinguished by output power:

- › **Alan 100 Plus 4W AM - 4W FM**
- › **Alan 100 Plus Euro 1W AM - 4W FM**

Main functions

- › 9-19 emergency channels
- › Channel display
- › Up/Down keys
- › Squelch
- › Transmission and reception led
- › External speaker jack

Packaging

- 1 radio, microphone, mounting bracket, fixing screws.



Alan 42 Multi

- › Alan 42 Multi C480.13
- › Alan 42 D80 C480.02

Certification
CE 0648 0
CE/99/05 compliant
DM 15-07-77 DM 02-04-85

Alan 42 Multi is an innovative transceiver since it is the only portable CB allowing the user to choose any European CB band using a simple and fast procedure (see frequency band table). The transceiver is supplied set on band "EC" CEPT 40CH FM 4W. **Alan 42 Multi** guarantees maximum performance and yield in various use conditions.

Controlled by a frequency tuner (PLL), it displays all its function on a wide screen.

It is equipped with an automatic battery saver circuit. The external talk/listen microphone jack located on the upper part of the transceiver facilitates use of accessory mikes (vox, etc.).

Main functions

- › Emergency channel (EMG)
- › Keypad lock
- › Battery charge (LOW)
- › Preset high-low power output level (H-L)
- › Emission mode (AM-FM)
- › Reception signal level (RX) and transmission signal level (TX)
- › It is also equipped with a Scanner function (SCAN) for fast channel and busy channel scans
- › The DUAL WATCH function lets you listen to two channels simultaneously
- › A convenient button also allows you to light the display to use the ALAN 42 in poorly lit conditions.

Alan 42 U: 400 ch South America

Packaging

1 radio, wall charger for 8 penlight battery pack, empty pack for 6 penlight AA type alkaline batteries, empty pack for 8 penlight AA type rechargeable batteries with charge jack, car adapter with SO 239 external antenna jack, scratch proof case, antenna, belt clip, wrist band.



Alan 37

- › Code C576

Certification
CE 0648 0
CE/99/05 compliant
DM 15-07-77

Alan 37, operating on 40 citizen band channels, includes the important and innovative feature of being microprocessor controlled. The fully solid-state circuitry is assembled on excellent quality printed circuits to guarantee durability even in extreme situations. **Alan 37** is frequency tuned by PLL circuit, a solution that can generate, by a single quartz, all the required frequencies, providing greater control reliability and flexibility.

Main features:

- › Channel display
- › External microphone/speaker jack
- › Power adapter/battery charger jack
- › Battery operated with 9 alkaline or rechargeable batteries
- › UP/DOWN channel selection
- › Two RF power levels

Packaging

1 radio, antenna, car lighter power cable



Multi device frequency band table

Display markings	Country
I	Italy 40 CH AM/FM 4Watt (26.965-27.405)
I2	Italy 34 CH AM/FM 4Watt (26.875-27.265)
D	Germany 80 CH FM 4Watt / 12 CH AM 1Watt
D2	Germany 40 CH FM 4Watt / 12 CH AM 1Watt
EU	Europe 40 CH FM 4Watt / 40 CH AM 1Watt
EC	CEPT 40 CH FM 4Watt
E	Spain 40 CH AM/FM 4Watt
F	France 40 CH FM 4Watt / 40 CH AM 1Watt
UK	England 40 CH FM 4 Watt British frequencies + EC 40 CH FM 4Watt CEPT frequencies
Export versions	
RU	Russia 400 CH AM/FM 4 Watt
PL	Poland 40 CH AM/FM 4 Watt Polish frequencies
PX	Poland 400 CH AM/FM 4 Watt Polish frequencies
SW	Sweden 24 CH FM 4 Watt 31 MHz

Technical Specifications

	 Alan 8001 Plus S/Plus Euro	 Alan 48 Excel Multi	 Alan 48 Plus Multi	 Alan 78 Plus Multi	 Alan 48
Channels	40-AM 40 FM 40 SSB	40 AM 40 FM (See frequency table)	40 AM 40 FM (See frequency table)	40 AM 40 FM (See frequency table)	40 AM 40 FM
Frequency range	26.965 - 27.405 MHz	See frequency table	See frequency table	See frequency table	26.965 - 27.405 MHz
Power voltage	13.8Vdc	13.2Vdc nom +/- 10% 24 Vdc +/- 10%	13.2Vdc	13.2Vdc	13.8Vdc
Dimension/weight	200 x 60x x235 mm - 1,678 kg	150 x 45 x 175 mm -1,020 kg	154 x 50 x 175mm -1 kg	150 x 45 x 175 mm -1,020 kg	165 x 55 x 205mm -1,7 kg
mic jack	4 pin	6 pin	6 pin	6 pin	4 pin
Receiver					
Sensitivity	0.25 µV for 10 dB S-N (SSB) - 0.5µV for 10 dB S+N/N (AM) - 1.0µV for 20 dB S+N/N (FM)	0.5 µV for 20 dB SINAD in FM 0.5µV for 20 db SINAD in AM	0.5µV for 10dB SINAD	0.5µV for 10dB SINAD	0.5µV for 20dB SINAD
Output power audio@10% distortion	4.0 W @ 8 Ω	2.0 W @ 8 Ω	2.0 W @ 8 Ω	2.0 W @ 8 Ω	3W
Audio distortion	less than 8% @ 1 KHz	less than 8% @ 1 KHz	less than 8% @ 1KHz	less than 8% @ 1KHz	less than 8% @ 1KHz
Transmitter					
Output power	4W AM/FM/SSB	4W AM/FM	4W AM/FM	4W AM/FM	4W
Modulation	AM: 90% FM: 1.8 KHz +/- 0.2 KHz	AM: 85% to 95% FM: 1.8 KHz +/- 0.2 KHz	AM: 85% to 95% FM: 1.8 KHz +/- 0.2 KHz	AM: 85% to 95% FM: 1.8 KHz +/- 0.2 KHz	AM 100% = FM 2KHz
Max absorbed current	1200 mA	1300 mA	1100 mA	1100 mA	1100mA
General					
Channels	Alan 68 S 34-AM 34 FM	Alan 199-A 40 AM	Alan 100Plus/Euro 40 AM 40 FM	Alan 42 Multi 40 AM 40 FM	Alan 37 40 AM
Frequency range	26.875 - 27.265 MHz	26.965 - 27.405 MHz	26.965 - 27.405 MHz	26.965 MHz - 27.405 MHz	26.965-27.405 MHz
Power voltage	13.8Vdc	13.8Vdc	13.8Vdc	12Vdc±10%	12Vdc±10%
Dimension/weight	165 x 55 x 205mm -1,7 kg	180 x 125 x 38 mm -950 g	180 x 125 x 38 mm -950 g	30 x 140 x 70 mm - 220 g (without battery)	55 x 180 x 45 mm -255 g
mic jack	4 pin	5 pin	5 pin	-	-
Receiver					
Sensitivity	0.5µV for 20dB SINAD	0.5µV for 10dB SINAD	0.5µV for 20dB SINAD	0.5µV (AM), 0.25µV (FM)	0.5 uV for 20 dB SINAD
Audio output power@10% distortion	3W	> 3W	max 4.5W @ 4 Ω	0.5W 8 Ω	0.5W@8 Ω
Audio distortion	less than 8% @ 1 KHz	< 8% @ 1KHz	< 8% @ 1KHz	3%@1KHz	< 8% @ 1KHz
Transmitter					
Output power	4.5W	1W/4W	100 Plus: 4W 100 Plus Euro: 1W AM-4W FM	4W - 1W AM/FM	4W @ 13.8 Vdc
Modulation	AM 100% = FM 2KHz	AM 90%	AM: 90% , FM: 2KHz	AM 90% ±5% / FM 2KHz	from 85% to 95%.
Max absorbed current	1100mA	1100 mA	1100 mA	900 mA	900mA

code C 374

Extremely small and lightweight, it is ideal for radio amateurs and professional use. Illuminated front keypad. All data is displayed on the illuminated practical crystal liquid screen.

CT 180 allows you to store 20 channels and can be powered by a 5 - 16 Vdc power adapter.

It is equipped with a special circuit called APO that reduces battery consumption up to 5 mA while still receiving on the programmed channel.

- Standard microphone/speaker jack

Certification
CE 01
 CE/99/05 compliant



Other functions:

- Multi-function scan
- Dual Watch
- Semi duplex (transmits on one frequency and receives on another)
- PTT lock to block transmission.

Packaging

1 radio, 700mA-7.2V battery pack, wall charger, rubber antenna, wrist band, instruction manual in Italian.

Technical Specifications

General	
Frequency range	138.000-174.995 MHz
Power voltage	7.2 Vdc (5-16Vdc)
Dimensions	55x83.5x31 mm (-batt.)
Weight	185 g (w/o batt.)
Receiver	
Sensitivity 12dB S/N	< 0.16µV
Audio output power @10% distortion	250mW
Absorption	Stand by 35mA Batt. save 15mA APO 5mA

Transmitter	
Output power	13.8 Volt HI 5W-M 2W-LO 0.35W
Maximum deviation	±5 KHz
Max absorbed current	at 13V = 950mA at 7.2V = 650mA

code C 574

Main features

- Dual Watch (two-channel tuning),
- SCAN function (automatic channel scan),
- LCR (Last channel recall),
- LOCK function (keypad lock),
- H/L function (transmission power level)
- QUICK UP/DOWN keys (to move 10 channels up/down).
- External microphone/speaker jack
- Battery charger jack

Certification
CE 0648
 CE/99/05 compliant e
 DM 02-04-85



Packaging

1 radio, wall charger for 8 penlight battery pack, empty pack for 6 penlight AA type alkaline batteries, empty pack for 8 penlight AA type rechargeable batteries with charge jack, car adapter with SO 239 external antenna jack, scratch proof case, antenna, belt clip, wrist band

Alan HP 53 U: 400 ch South America

Technical Specifications

General	
Channels	24
Frequency range	43.300-43.5875 MHz
Power voltage	12Vdc±10%
Dimensions (LxHxD)	70x140x30 mm
Weight	220 g
Receiver	
Sensitivity	0.25 µV (10 dB S/N)
Audio output power @10% distortion	0.5 W 8 Ω
Absorption	60 mA 40 mA ST.BY

Transmitter	
Output power	4 W - 1 W
Maximum deviation	2.5 KHz
Absorbed current	900 mA

Accessories

Headphones, microphones/earphones, laryngophones

HD-NR25 - C 793
Dynamic noise reduction, headphones 2-pin jack (see page 51)

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



NEW

MA 60 Plus (Kit 030) - C 430
Headphones-microphone for transceivers with automatic VOX - 2-pin jack

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



MA35N - C 652.01
Headphones with microphone - 2-pin jack

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



NEW

AE38 - C 823
Throat microphone headset earphone with PTT and finger PTT - 2-pin jack (see page 52)

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



NEW

MA31 - C 732
Speaker microphone with pneumatic earphone - 2-pin jack

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



Microphone, vox, booster, amplifiers, power cord

MA 26 - C 515
Speaker mike with volume knob and earphone jack - 2-pin jack

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



MA 50 Vox - C 601
Automatic Vox

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



BS22 - C 526
Universal booster + car adapter

- Compatible with all VHF transceivers



747B - T595.01
Mos-fet power HF amplifier

- Compatible with all palmtop CB and automotive lines (26÷30MHz)



AI Uni - C 519
Universal lighter power cord adapter with multiple plug, fuse and led.

- Compatible with all palmtop CB lines and 43/144Mhz transceivers



Power adapters, batteries, battery chargers, cables, battery packs



AL 55 SW - C 538
Universal step-up car battery charger for batteries up to 12Vdc with multiple plug, protection fuse and led.

■ **Compatible with all palmtop CB lines and 43/144Mhz transceivers**



50 piece packages

C 696
Ni-MH 1.2V/1200 mAh rechargeable batteries
C 697
Ni-MH 1.2V/1700 mAh rechargeable batteries
C 734
Ni-MH 1.2V/2300 mAh rechargeable batteries
■ **Compatible with all devices that use "AA" batteries**



MW-12/220 - C 747
Multiple battery charger for 600mAh and 2400mAh AA and AAA battery types. Equipped with wall and lighter jack (batteries not included).



MW-Traveller - C746
Multiple battery charger for 600mAh and 2400mAh AA and AAA battery types. Equipped with interchangeable Europe, England, USA and Australia jack and plugs (batteries not included)



T060
3-pole supply cable power cord with fuse box.
Length: 160 cm.



PB 72 - F 307
Ni-Cd rechargeable battery pack with charge jack
Output voltage: 7.2V, Capacity: 700mAh
Charge current: 80mA
■ **Compatible with CT180, CT145**

Battery packs, brackets



PB127 - F 493
Ni-Cd rechargeable battery pack.
Output voltage: 12V
Capacity: 700mAh
With charge jack
■ **Compatible with CT180, CT145, Standard and similar**



PB 167 - F 494
Ni/Cd 9.6 Vdc 700 mAh rechargeable battery pack with charge jack.
■ **Compatible with CT1600**



PB E 42 - C 602
8 penlight AA type rechargeable battery pack (batteries not included).
■ **Compatible with Alan HP53, Alan 42**



RNB 127 H - C 496.01
6V rechargeable battery pack
600 mAh.
■ **Compatible with CT22**



RNB 130 A - C 493
Empty battery pack for 4 dry penlight AA type batteries
■ **Compatible with CT22**



SU 29 - T 452
Universal adjustable brackets for CB radios. Practical runner support for radio removal.
■ **Compatible with: all**

Brackets, antennas, filters, cases



SA 48 - T 769
Original brackets for Alan 48-Alan 68S complete with n. 1 bracket, n. 2 slides, n. 2 knobs, n. 2 screws.
■ **Compatible with Alan 48, Alan 68S**



SPM-48 DIN - C791
DIN brackets for Alan 48
SPM-78 DIN - C792
DIN brackets for Alan 78
SPM-100 DIN - C807
DIN brackets for Alan 100 Plus; 100 Plus Euro, 199-A

NEW



Antenna ALAN42 - C 611
Spare antenna

Antenna HP53/HP43 Plus - C 525
Spare antenna

Antenna CT180 - C 612
Spare antenna

Antenna CT22 - C 613
Spare antenna



27/586 - T 760
Dual filter suited to eliminate harmonics and disturbance on TV receivers.



CS 145 - C 338
Scratch proof case
■ **Compatible with CT 145/180, Standard C150 with adjustable bottom for BSC 72 and 6V, 7.2V and 12V battery packs.**

Marine

Mobile/portable VHF

60-88.5 MHz
157.050-157.425 MHz

For portable VHF use, the best frequency is 157.050 MHz. For mobile VHF use, the best frequency is 157.425 MHz.



New Neptune

- › **Black** code G979.03
- › **White** code G979.04

New Neptune has all the prime features of quality, durability and reliability features that latest generation technology can offer. It safely transmits and receives on all nautical VHF international channels as established by the International Telecommunications Union (ITU). Thanks to the Class "D" DSC function, it complies with nautical device regulations.

The DSC system sends and receives coded and common signals throughout the world (saved in memory) concerning:

- › **Ship ID** number,
 - › **Alarm signals** such as Fire on board, Sinking, Emergency, Piracy, Run Aground, Collision, etc,
 - › **Ship coordinates** (automatically read by the optional GPS system),
 - › **UTC time** (automatically read by the optional GPS system)
- It is equipped with the **ATIS system** (required for internal water use) for automatic craft identification: the craft's unequivocal identification number is sent whenever PTT is pressed.
- It can also be connected to a **GPS receiver**(GPS 200 code C723) to continually update craft coordinates.
- It also has a second internal receiver that operates on channel 70 (DSC communications channel).
- New Neptune** is made up of high quality electronic components and complies with retail standards to guarantee clear, reliable and long-lasting communications.
- New Neptune** is controlled by a microprocessor which provides advanced features and performance: it controls nautical band tuning and advanced functions such as **Dual Watch**, **Triple Watch** and various available scans.
- The wide backlit keypad permits use in an lighting conditions and 20 private channels (using the optional "PRG NEPTUNE" programmer code G1005) and 16 MMSI addresses (craft identification code) can be programmed.

Certification
CE 0
CE/99/05 compliant
ETSI EN 300 025-2-3 EN 300 698-2-3



Main functions:

- › DSC system – Class D – with potential to save received DSC messages
- › 23 frontal controls for immediate use of all functions
- › Main controls replicated in the microphone for even more immediate use - channel selection and channel 16 redial
- › Wide frontal backlit keypad for use in any lighting conditions
- › Backlit LCD display and adjustable contrast (for optimal display).
- › Squelch adjustment
- › Channel 16 redial button (universal nautical channel most frequently used as SOS channel).
- › 25W transmission power reducible to 1W
- › Connections to an external speaker (optional)
- › Dual Watch function - to monitor channel 16 when listening to the tuned channel
- › Triple Watch function – to monitor channels 9 and 16 as well as the tuned channel

- › Scan function with 2 scan modes: all channel scan or saved channel scan with potential to create a channel group
- › 16 programmable MMSI addressed (craft identification code)
- › 20 programmable channels for authorised professional use ("PRG-Neptune" software required)

Supplied accessories

Support bracket, power cord, microphone hook

Packaging

1 device, microphone and support, external GPS cable, power cable, assembly bracket and fastening screws

GPS 200

› code C723

GPS satellite receiver

Particularly indicated for light and semi-professional use such as:

lake and sea navigation, flotilla control, Automatic vehicle location (AVL), automatic pilot, personal or tourist navigation, tracking devices or systems, mapping devices, etc.; for sea use, storage is recommended when dry-docked.

Midland VHF marine transceivers **can be directly connected** to Notebooks PalmTops using the supplied cable: it can be secured with both an internal magnet or two fastening screws.

Main features:

- › SIRF Star II internal chipset
- › 12 channel satellite receiver
- › High speed signal acquisition
- › WAAS/EGNOS demodulator
- › Low energy consumption
- › Memory retention and TTFF (Time To First Fix)
- › Rapid first acquisition



- › Data protocol support NMEA 0183 v2.2
- › **Antenna type:** Built-in Patch
- › **Minimum detectable signal:** -175dBW
- › **Dimensions:** 66x51x22,5 mm
- › **Weight:** 62g
- › **Cable length:** 2 m
- › **LED functions:** Power On/Off and navigation Data update indication
- › Working temperature: from -40° to +80°
- › Working humidity: 5% to 95% without condensation.
- › Current consumption: <170mA at 4.5-5.5V

Optional New Neptune accessories:



Neptune bracket

- › Black code G1020
- › White code G1020.01



NEW

Midland 70-2355T

› code C733

External speaker
Thanks to the adoption of the Mylar cone, that makes it weather-resistant, the Midland 70-2355T speaker can also be used outdoors.



PRG Neptune

› code G1005
New Neptune software programmer



Atlantic-i

- › **Black** code G1037.01
- › **White** code G1037.02

Certification
CE
CE/99/05 compliant ETSI EN 301 178-2

Navigate in complete safety

This portable marine transceiver was designed to satisfy the communications needs in all types of navigation, both professional and amateur.

Atlantic-i is durable, electronically advanced and provides clear and reliable communication on all ITU assigned international channels on VHF nautical band.

Transmission power can be selected high (5W) and low (1W) to guarantee optimal performance in any situation.

Atlantic-i is the latest innovation in the portable marine transceiver field with 56 international band channels and immediate access to emergency channel 16.

The package also includes a waterproof case that provides safe and "waterproof" use.



Main functions:

- › Display
- › Immediate access to emergency channel 16
- › CALL key with 3 selectable tones
- › SCAN function
- › Keypad lock to prevent accidental calls
- › Automatic squelch adjustment
- › Roger Beep on/off
- › VOX for hands-free communications

- › High/low power selection
- › Battery low indicator
- › Automatic battery saver
- › External microphone/battery charger/external speaker jack

Packaging

- 1 device, desktop/wall support, belt clip, waterproof case with neck strap

Ocean

- › **Black** code G978
- › **White** code G978.01

Certification
CE
CE/99/05 compliant ETSI EN 301 178-2

The portable **Ocean** marine transceiver lets you communicate on the ITU assigned international channels on VHF nautical band. Accurately designed with the best components, it guarantees maximum performance even in extreme conditions. Its wide backlight screen provides clear operating parameter display in any lighting conditions. **Ocean** can save up to 20 private channels (using the optional Prg-Ocean programmer code g 1006) that can be quickly recalled and scanned; it also includes a chronometer with intermediate time and clock.

Main functions:

- › Wide backlit crystal liquid display
- › 20 savable user channels
- › Fast saved channel recall and scan
- › Immediate access to emergency channel 16
- › Chronometer with intermediate time
- › Clock
- › Automatic battery saver
- › Battery low indicator
- › CALL key with 10 selectable tones
- › Automatic squelch adjustment
- › Channel selection buttons
- › SCAN function
- › Keypad lock
- › High/low power selection
- › Dual Watch function
- › VOX for hands-free communications

- › External microphone jack
- › Battery charger jack
- › External speaker jack

Packaging

- 1 device, belt clip and rubber antenna



PRG Ocean code G1006

Ocean software programmer



Technical Specifications



	New Neptune	Atlantic-i	Ocean
General			
Channels	57 international	56 international	56 international
Frequency generation	PLL tuner	PLL tuner	PLL tuner
Frequency coverage TX RX	from 156.025 to 157.425 MHz from 156.300 to 162.025 MHz	from 156.025 to 157.425 MHz from 156.300 to 162.025 MHz	from 156.025 to 157.425 MHz from 156.300 to 162.025 MHz
Antenna impedance	50 Ohm		
Power	12 Vdc	4 6V AA rechargeable or alkaline batteries	4 AA rechargeable or alkaline batteries
Working temperature	from -15°C to +55°C	from -15°C to +55°C	from -15°C to +55°C
Dimensions (HxLxD)	70x170x160 mm	58x122x34 mm	55x126x38 mm
Weight (device only)	1,305 Kg	119 gr	157 gr
Transmitter			
Output power	HI: 25W - LO: 1W	1/5 Watt (selectable)	0.5/2 Watt (selectable)
Modulation Type	FM	FM	FM
Microphone	Condenser type	Condenser type	Condenser type
Audio distortion	3%	5%	5%
RF Power	meets ETSI regulations	meets ETSI regulations	meets ETSI regulations
Receiver			
20dB Sinad sensitivity	< 0.6µV	0.35 µV	0.35 µV
Selectivity	70dB		
Squelch sensitivity	Limit -12dBµV (FEM)		
Adjacent channel rejection	70dB	70dB	70dB
Audio output power	> 2W on 8 Ohm	300mW @ 10% THD	300mW @ 10% THD
Audio distortion	< 10%	< 10%	< 10%
Intermediate frequencies	1°: 21.4MHz - 2°: 405KHz	1°: 21.4MHz - 2°: 450KHz	1°: 21.7MHz - 2°: 450KHz
Auxiliary jacks	Speaker 3,5mm Mono/GPS	2 Pin speaker/microphone	2 Pin speaker/microphone - 1Pin 2,5mm for PRG
Programmable	Yes (PRG Neptune)	-	Yes (PRG Ocean)

Optional accessories



- MA35N - C652.01**
Headphones with microphone
- **Compatible with all devices with 2 Pin jack**



- MA30P - C648.01**
Microphone with adjustable arm 2 pin
- **Compatible with all devices with 2 Pin jack**



- MA28 - C559**
Talk/listen microphone
- **Compatible with all devices with 2 Pin jack**



- MA24 - C517**
Talk/listen microphone with VOX/PTT
- **Compatible with all devices with 2 Pin jack**



- MA21-D - C709**
Microphone with adjustable earphone and PTT
- **Compatible with all devices with 2 Pin jack**



- MA26 - C515**
Speaker mike with volume knob and earphone jack
- **Compatible with all devices with 2 Pin jack**



- CA-ATL/G7 - C 785**
2 slot desktop charger with wall charger
- **Compatible with Atlantic-i**



- CA 445 - C 748**
Single desktop battery charger with wall and car charger
- **Compatible with Ocean**



- PB-ATL/G7 - C784**
800mAh rechargeable battery pack
- **Compatible with Atlantic-i**



- C696** NIMH 1.2V 1200 mAh rechargeable batteries
C697 NIMH 1.2V 1700 mAh rechargeable batteries
C734 NIMH 1.2V 2300 mAh rechargeable batteries
- **Compatible with all devices that use "AA" batteries**
- 50 piece packages



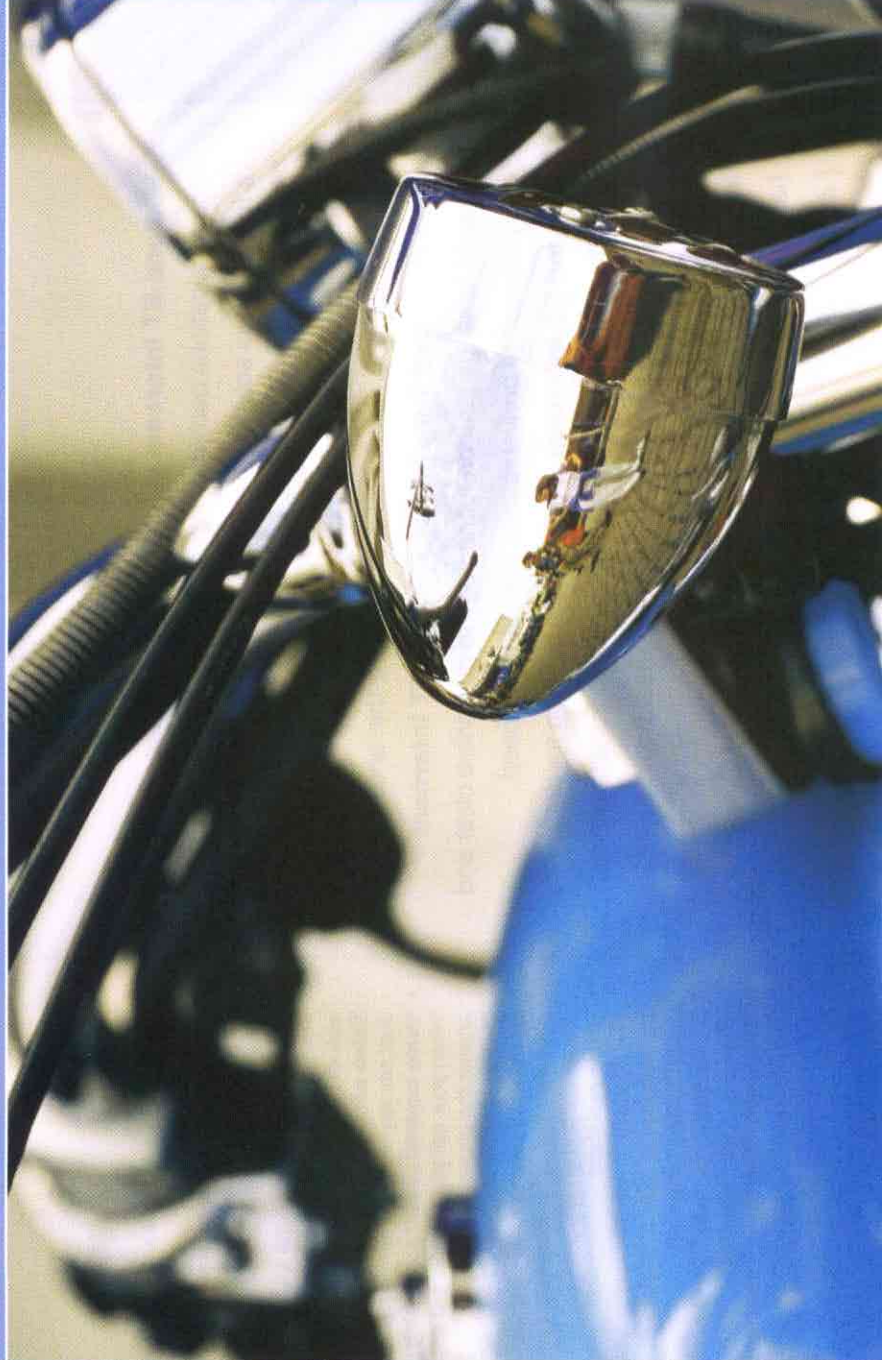
- ALG7 - C814**
Lighter power cord
- **Compatible with Atlantic-i and Ocean**



- MW904 - C689**
Wall charger
- **Compatible with Atlantic-i and Ocean**

Motorcycle

Intercoms



Midland BT Intercom

NEW

code C824

Bluetooth™ motorcycle intercom

“Every biker’s dream come true”

Complete kit driver and passenger



Midland BT Intercom marks a change in intercom communications between drivers and passengers, offering a fully wireless solution that can be applied to any helmet, Jet and full. Thanks to Bluetooth™ technology, cell phone communications are added to driver and passenger communications. Equipped with two ultra-thin speakers to be assembled in the helmet, **Midland BT Intercom** exploits latest generation technology to guarantee clear and comprehensible conversations even at high speed.

Midland BT Intercom is the optimal solution for driver - passenger communication needs, easy to install, wireless, for full driving safety. Thanks to the universal hook, it can be assembled and moved to any type of helmet. The packaging includes two devices to be applied to driver and passenger helmets.



This product's features are designed to satisfy all biker needs:

- › **Automatic volume control**
Earphone volume automatically increases in proportion to environmental noise.
- › **Clear communications even at high speed**
Thanks to the filter and background noise cancelling as well as dual speaker.
- › **Voice controlled intercom activation**
Just say any word to start conversations.
- › **Voice controlled call answering**
When your cell phone rings, just say any word to answer the phone.
- › **Two operating modes**
Driver and passenger intercom with driver-only cell phone answering, or three-way conversations: driver, passenger and phone.
- › **Water resistant**
The Bluetooth™ device is water resistant preventing problems under rainy conditions
- › **Long-lasting batteries**
Batteries guarantee up to 7 hours of conversation and one week in stand-by mode.
- › **Removable Bluetooth™ receiver**
The Bluetooth™ device can be removed from the

helmet support. This way, the entire support need not be removed to charge.

- › **Controls even on the Bluetooth device**
Volume controls and answering buttons are always available on the device.

Main technical specifications:

- › Dual earphones and microphones with Jet and Full helmet supports
- › Bluetooth™ wireless technology version 1.2
- › Driver-passenger intercom function
- › The driver can receive private calls or share them with the passenger
- › Water resistant
- › AGC technology to automatically adjust volume when noise and speed change
- › VOX technology to start conversations
- › Up to 7 hours of conversation and 1 week in standby
- › Controls: volume, answering, redial

Packaging includes:

- 2 devices for driver and passenger, wall charger, microphone wind sponge (large and small), helmet support, case.

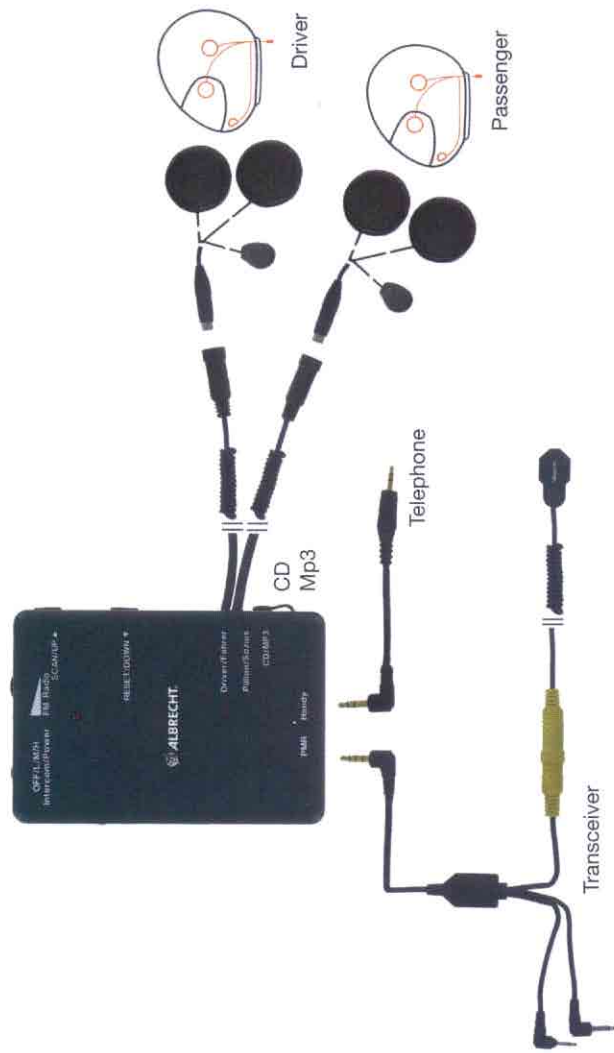
AE 500S

› code C806

Wired motorcycle intercom

AE500S is a wired intercom system for communications between driver and passenger riding the same bike or between bikes via radio (optional).

The microphone and speakers are assembled in the respective helmets and both are physically connected to the communications "box". In addition to driver and passenger jacks, this device normally includes other jacks for auxiliary devices such as music player, GPS navigator or radio for communications with other bikes. Driver - passenger communications are normally always open while communications between bikes are activated by pressing the PTT key. Naturally, bike to bike communications can only occur if both bikes are also equipped with transceivers.



AE 500S is an intercom system for driver - passenger communications (in "full duplex" mode) and even between bikes (with PMR446 or LPD transceivers). The system is made up of a small and manageable battery powered "box" that can be easily carried in your pocket or backpack.

AE 500S comes complete with all cables, microphones and speakers to wire full helmets and connect any optional devices.

Only driver and passenger connections are pre-wired, all other cables can be connected as needed.

Thanks to the electronic noise filter **AE 500S** guarantees clean communications even at high speed.

It also includes a built-in FM radio to listen to music or traffic information.

All inputs are controlled in priority, for example, music automatically lowers when the driver and passenger are talking.

Using this device is simple.

Driver - passenger communications are normally always open while communications between bikes are activated by pressing the PTT key.

Specifications

- › 5 inputs: Driver, Passenger, Music, PMR radio, Handy (Phone)
- › Built-in FM radio
- › 3-level sensitivity selector
- › Electronic noise filter
- › FM radio volume
- › Power: two AA batteries

Packaging

full helmet driver and passenger microphone/speaker pair, waterproof PTT button for radio communications between bikes, auxiliary device connection cables.

For those with other needs, AE 500S is compatible with the following microphones/speakers: OHS500, OHS550, CHS300 (see page 47)



› code C790

Bluetooth™ earphone for motorcycles



Albrecht-Rider is an earphone with

- › Bluetooth™ wireless technology microphone that can be applied to any motorcycle helmet, both jet and full, providing Bluetooth™ cell phone communications without removing your helmet. Albrecht-Rider has a series of features specifically designed for bikers:
- › **Earphone volume automatically increases** in proportion to environmental noise.
- › **Voice controlled call answering.** When your cell phone rings, just say any word to answer the phone.
- › **Water resistant.**
- › **Removable Bluetooth™ receiver.** This way, the entire support need not be removed to charge.

Naturally, the buttons on the BlueTooth™ device can be used to control volume and to answer calls.

Specifications

- › Earphones and microphones with Jet and Full helmet supports
- › Bluetooth™ wireless technology version 1.2
- › Can receive calls and redial
- › Up to 7 hours of conversation and 1 week in standby
- › Controls: volume, answering, redial

Packaging

Bluetooth™ device, Albrecht Rider, wall charger, microphone wind sponge (large and small), helmet support, case.

Combined with BPA100 and a transceiver, it provides wireless bike to bike conversations.

Bluetooth™ adapter for transceivers



BPA100 provides wireless

earphone use, compatible with Bluetooth™ standard, with Alan or Midland transceivers and 2-pin microphone/earphone support.

Thanks to **BPA100**, you can use your radio with any Bluetooth™ earphone and take advantage of VOX functions to communicate hands-free and totally wireless.

If background noise does not permit this solution, like, for example, when driving, the package contains a waterproof wired PTT button and 2-pin adapter wire for radio connections. **BPA100** is an excellent way to connect last generation helmets with built-in Bluetooth™ connections to a transceiver or any other sound source with 2.5mm stereo connector. Using **BPA100** is extremely simple, after pairing the Bluetooth device with **BPA100**, it can be immediately used, without programming settings.

Combining the Bluetooth™ Albrecht Rider earphone with a transceiver provides wireless radio communications (i.e. bike to bike).

Specifications

- › Bluetooth™ Standard 1.1 class 2, "Master" mode
- › Distance: about 10 m
- › 170 mA lithium battery
- › Conversation battery life: about 6 hours
- › Standby battery life: about 100 hours
- › Connector type: Audio stereo 2.5mm

The package includes:

Bluetooth™ adapter, 230V wall charger, 2-pin adapter cable, waterproof wired PTT button

Compatible with all Alan or Midland devices with 2 Pin Jack

Microphone/speaker solutions for intercom

MA 46, MA 46B

- › MA46 code C660
Motorcycle driver kit
- › MA46B code C660.01
Motorcycle passenger kit

A kit specifically indicated for motorcycle use: MA46, connected to the transceiver, provides totally safe conversations with other users without disturbing driving. It is equipped with a PTT button that can be applied to the handle using the supplied velcro to start radio transmission with a simple gesture.

MA46B (passenger):

Like MA46, without PTT button.

Compatible with LPD and PMR446 equipped with full-duplex intercom circuits like Alan516, Alan503, Alan456R, Alan860



MA 48, MA48D, MA48P

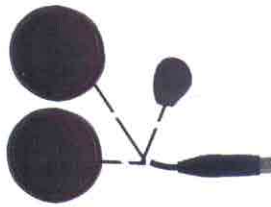
- › MA48 code C699
Driver-passenger head kit
- › MA48D code C699.01
Driver device
- › MA48P code C699.02
Passenger device

Head kit for motorcycle use, compatible with LPD and PMR446 transceivers with dual jacks and intercom jack.

Based on aeronautical technologies, MA48 captures head covering vibrations transforming them in an extremely accurate microphone signal.

This device permits moving conversations at speeds up to maximum 120 Km/h. (Package code C 699 includes driver and passenger devices).

Compatible with LPD and PMR446 equipped with full-duplex intercom circuits like Alan516, Alan503, Alan456R, Alan860



CHS300

code C802

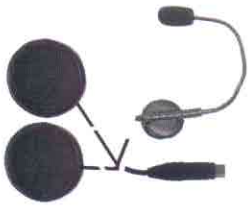
Microphone/speaker for full helmet



OHS550

code C801

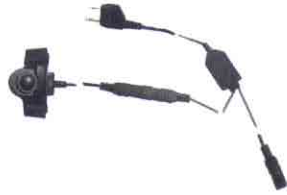
Microphone/speaker with internal arm



OHS500

code C800

Microphone/speaker with external arm



BHS300

code C797

2-pin radio adapter cable with PTT



BHS301

code C798

1-pin radio adapter cable with PTT



BHS303

code C799

Adapter cable for passenger intercom jack

How to pick the right cable:

- a) first pick the type of Microphone/earphone suited to your helmet (OHS500, OHS550, CHS300)
 - b) then pick the cable suited for your radio (BHS300, BHS301)
- The BHS303 adapter cable is only used to connect the passenger with radio devices that have intercom jacks.

Warning for Alan777 users only: the above microphone/speaker solutions are compatible with the Alan777E version (PMR) only

Press PTT for bike/bike and driver/passenger communications

AE 92H

AE 72H

code C694.02

code C777



Specifications

- > **200 programmable channels**
- > Linked range search: 10 set frequency ranges for active frequency search
- > Triple conversion receiver
- > 10 Memory Banks with 20 channels each
- > Memory or frequency exclusion
- > Priority scanning
- > Fast aeronautical and CB signal search control
- > Manual channel access
- > Keypad lock
- > Backlit display
- > Saved frequency retention
- > 2 power supply possibilities: via internal batteries or network
- > Flexible antenna with BNC connector
- > Belt clip

Packaging

1 Radio, antenna and belt clip

Frequencies	25.0-28.0 (CB) / 28.0-70.0 137.0-148.0 / 70.0-88.0 108.0-137.0 / 148.0-174.0 400.0-512.0 / 860.0-960.0 MHz
Operating channels	200
Sensitivity (20dB SINAD)	0.3 µV (AM) / 0.4 µV (FM)
Audio output power	490mW
Power	2 1.5 V alkaline batteries each type AA
Dimensions	68 x 31,5 x 115 mm
Weight	165gr

Specifications

- > **100 programmable channels**
- > Linked range search: 10 set frequency ranges for active frequency search
- > Triple conversion receiver
- > 100 frequencies savable in 10 Memory Banks
- > Memory or frequency exclusion
- > Priority scanning
- > Fast aeronautical and CB signal search control
- > Manual channel access
- > Keypad lock
- > Backlit display
- > Saved frequency retention
- > 2 power supply possibilities: via internal batteries or network
- > Flexible antenna with BNC connector
- > Belt clip

Packaging

1 Radio, antenna and belt clip

Frequencies	25.0-28.0 (CB) / 28.0-70.0 137.0-148.0 / 70.0-88.0 108.0-137.0 / 148.0-174.0 400.0-512.0MHz
Operating channels	100
Sensitivity (20dB SINAD)	0.5-0.7 µV
Audio output power	490mW
Power	2 1.5V alkaline AA batteries
Dimensions	68 x 31,5 x 115 mm
Weight	165gr



code C795

Specifications

- › 80 programmable channels
- › Crystal liquid display
- › Possibility of defining 5 different frequencies for scanning
- › Priority channel scanning
- › Manual channel access
- › Memory backup
- › Keypad lock
- › Flexible antenna with BNC connector
- › Belt clip

Packaging

1 Radio, antenna and belt clip



Frequencies	66-88 /137-144 / 144-148 MHz 148-174 /406-420 / 420-450 MHz 450-470 / 470-512 MHz
Operating channels	80
Sensitivity (20dB SINAD)	~ 0.6 to 0.8µV EMF
Audio output power	245 mW nom. on 8 Ohm
Internal speaker	41 mW nom. on 32 Ohm
Stereo headphones earphone	10 mW nom. on 64 Ohm
Power	external 12 VDC - 4 AA alkaline or Nickel-Cadmium rechargeable batteries
Dimensions (LxDxH)	63.5 x 38 x 178 mm
Weight	340 g

code C794

Specifications

- › 200 programmable channels
- › AM, aeronautical and FM bands
- › Keypad lock
- › Backlit display
- › Saved frequency retention
- › Earphone or external speaker jack
- › Flexible antenna with BNC connector
- › Small and lightweight (130g without batteries)
- › Belt clip

Packaging

1 Radio, antenna and belt clip



Frequencies	87.5 - 107.9 MHz WFM - 108-136.9875 Mhz AM - 137-174 Mhz FM
Operating channels	200
Sensitivity (12dB SINAD)	88.050 - 98.550 - 107.950 MHz (WFM) 0.9µV 119.250 - 127.175 MHz - 136.500 (AM) 0.4µV 138.150 - 162.400 - 173.225 MHz (FM) 0.3µV
Audio output power	400 mW
Power	3 AA batteries
Dimensions (LxDxH)	50x107x27 mm
Weight	130g

code C695.01

Specifications

- › Squelch adjustment
- › Frequency adjustment
- › Earphone jack
- › Selected frequency display
- › Battery on/charged Led
- › Telescopic antenna

Packaging

1 Radio, antenna and belt clip



Frequencies	CB: 26-28 Mhz TV1/FM 54-108 Mhz AIR/WB/PB :108-176 Mhz
Operating channels	continual band coverage
Sensitivity (20dB SINAD)	-
Audio output power	Max 300 mW
Power	4 AA batteries / 6V DC voltage
Dimensions (LxDxH)	96x50x197mm
Weight	376 g

› code C793

Dynamic noise reduction headphones with microphone and PTT

HD-NR25 is a comfortable and lightweight headphone that completely wraps around the headphone cushions significantly reducing background noise thus guaranteeing disturbance-free communications.

The noise cancellation microphone is covered with a special wind sponge and assembled on an adjustable arm. The PTT button is on the spiral connection cable between the headphones and transceiver. The headphones/microphone is connected to the transceiver with a standard 2-pin connector.

Compatible with all Alan or Midland devices with 2 Pin jack



Speakers	
Noise reduction	about 25dB
Power	nominal 25mW max 40mW
Impedance	75 ohm
Sound level	96 ± 3dB (a 1KHz - 1mW)
Microphone	
Impedenza	2,2Kohm
Frequency range	100-10.000Hz
Rapporto S/N	min 58dB

› code G1041.01

Crypto GSM Encrypted communications on Sony -Ericsson GSM

Combined with a cell phone, **Snapcell P2P** lets you make encrypted calls on GSM communications networks. Intercepted communications are incomprehensible thanks to data encryption with 256 bit AES key.



Simple to use: just connect the device to your cell phone and make or receive calls from another **Snapcell P2P**. If the call is not safe or the caller does not have a **Snapcell P2P**, you receive an immediate visual and sound warning. **Snapcell P2P** operations are not tied to any operator using any **voice and data enabled SIM**. To use **Snapcell P2P**, just connect it to any compatible Sony-Ericsson cell phone. An earphone is required to make and receive calls when **Snapcell P2P** is installed. No need to remove the device when talking to people who don't use **Snapcell P2P**.

Specifications

- › Secure point-to-point communications via GSM network
- › Compatible with main retail Sony-Ericsson cell phones
- › Call content and number protection
- › Visual and sound information on security levels
- › Perfectly integrated with cell phone display information
- › Unsafe call warning
- › Excellent protection level thanks to new key generation each session
- › Excellent voice quality
- › Low consumption and therefore minimal impact on battery life
- › Compatible with Smapsoft for PocketPC based PDA cell phones
- › Data encryption: AES 256 bit key
- › Key generation: Diffide-Hellman 1024 bit key

Packaging:

- 1 Snapcell device, 1 wired earphone with spares.

Compatible Sony-Ericsson cell phones:
The complete list is available at www.cte.it



, code C823

Throat microphone headset/earphone with PTT

The **AE38** laryngophone lets you communicate by exploiting the "vocal vibration" technique. The microphone is placed on the side of your neck to exploit vocal cord vibrations obtaining clear and "clean" communications.

AE38 is convenient and lightweight. It also includes an earphone and PTT to start communications. An auxiliary PTT button complete with velcro is also included to easily attach to your hand or finger. AE38 is the ideal solution for athletes who want to communicate hands-free.

Compatible with all Alan or Midland devices with 2 Pin jack



Mike Multi code C714

"Precision series" microphone for **Alan 48/78 Plus Multi**
 , 6 PIN connector
 , Up/down buttons (channel selection)
 Lock button (Up/down microphone key lock)



MA26 code C 515

Speaker mike with volume knob and earphone jack
Compatible with all Midland and Alan devices with 2 Pin jack



Midland code T 059

Original microphone with micro 4 plug
Original Alan 48 and Alan 68S



MR120 code C 404.01

Electret microphone with UP/DOWN keys. 6 PIN connector set for transceivers: **Alan 48 Plus, Alan 78 Plus, Alan 48 Excel**
 (Not suited for Alan 100 Plus).



DM510 code C 146

4 Pin Midland
 Pre-amplified microphone fully made of ABS, complete with connector for **Alan 48 and 68S**



MDL4190 code C 074

Dynamic universal microphone with micro 4 plug. Impedance 500 Ohm, for **Alan 48 and 68S**

Microphone holders



PM3 code T 431

Microphone holder with screw and dual-adhesive tape attachment



PMF code T 570

Fluorescent microphone holder with screw and dual-adhesive tape attachment

Speakers



Midland 70-2355T
code C733

Weather resistant



AU 20
code T 775



AU 25
code T 681



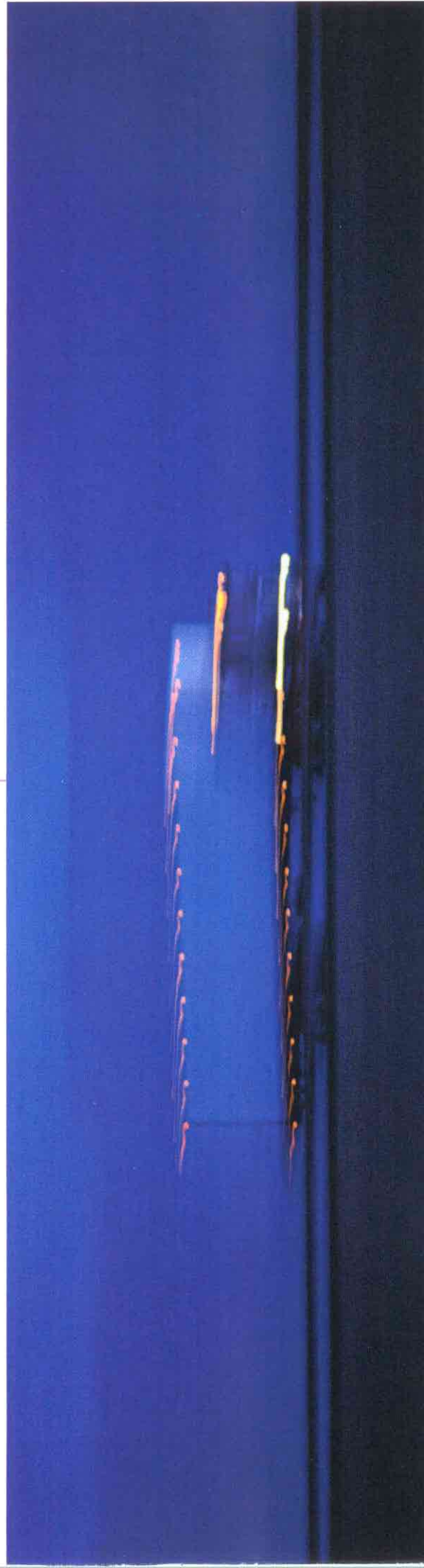
AU 30
code T 682



EH 800
code P 348

Weather resistant

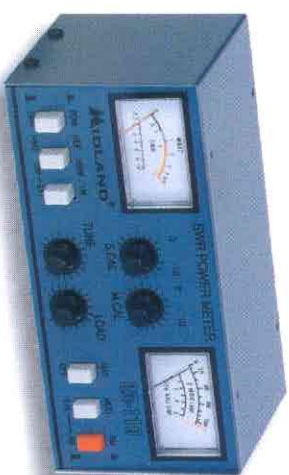
Specifications	MIDLAND 70-2355T	AU 20	AU 25	AU 30	EH 800
Impedance	3.2 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm
Nominal power	2 W	3 W	7 W	-	-
Max. power	20W	5 W	5 W	12 W	10 W
Dimensions in mm	123x123x62	65x55x65	100x60x60	110x140x60	90x85x110



Midland 23-505
code T 676.01



Midland 23-110
code T 680.01



KW 520
code C 530



Wattmeter/SWR meter

23-505 is a 2-function measurement instrument that operates on 1.5 – 150 MHz frequency range to constantly monitor any antenna. Power reading on two levels: 0-10W and 0-100W.

Wattmeter/SWR meter

23-110 is a 3-function measurement instrument that controls various operating parameters on any antenna and transceiver like ROS, RF power (3 intervals: 0-1, 0-10, 0-100 watt), AM modulation (0-100%), FM deviation (0-3 KHz), and includes a convenient Gamma Match to tune antennas in 25 - 40 MHz frequency range.

Broad band SWR meter wattmeter

Suited to check transmitter power and antenna adaption, with two separate measurement lines, one 1.8 at 200 MHz, and the other 140 at 525MHz. This lets you simultaneously connect 2 systems: one in HF/VHF and the other in VHF/UHF and select which to measure using the switch. The selected measurement line is displayed with the led. Measurement options include peak or average value, Scale end calibration, Full scale power doubler button from 200 to 400 W

Specifications	Midland 23-505	Midland 23-110	KW 520
RF power	10W - 100W	1W - 10W - 100W	5W - 20W - 200W - 400W
R.O.S.	1.1/∞	1.1/∞	1.1 / ∞
Impedance	52 Ohm	50 Ohm	52 Ohm
Frequency range	1.5 - 150 MHz	1.5 - 144 MHz	1.8 200 MHz - 140 - 525 MHz
Precision	-	-	ROS - PWR 5%
Dimensions	135x60x70 mm	160x70x70 mm	155x100x60mm
Weight	280 gr	630 gr	730 g
Connector	SO239	SO239	SO239

New RDT 11/S code C786

Switching technology



AUTOMOTIVE approval Nr.: 10R-026170

New RDT 16/S code C787

Switching technology



AUTOMOTIVE approval Nr.: 10R-026171

New RDT 20/S code C788

Switching technology



AUTOMOTIVE approval Nr.: 10R-026172

RDT 10/A code C 589



AUTOMOTIVE approval Nr.: C3 02 1049

RDT 14/A code C 531



AUTOMOTIVE approval Nr.: C3 02 1050

RDT 30/R code T 674



AUTOMOTIVE approval Nr.: C3 02 1051

Specifications	RDT 11/S	RDT 16/S	RDT20/S	RDT 10/A	RDT 14/A	RDT 30/R
Switching technology	Yes.	Yes.	Yes.	no	no	no
Input voltage	20-30 Vdc	20-30 Vdc	20-30 Vdc	24/28 Vdc	24/28 Vdc	24/28 Vdc
Output voltage	13,5 +/- 0,5Vdc	13,5 +/- 0,5Vdc	13,5 +/- 0,5Vdc	13,8 Vdc	13,8 Vdc	13,8 Vdc
Dimensions (HxLxD) mm	35x75x160	35x105x170	40x115x200	64x120x112	64x120x112	40x102x300
Weight	387 g	554 g	782 g	670 g	580 g	1200 g
Output specifications						
Continuous	8 A	12 A	18 A	6 A	6 A	10 A
6/3'	-	-	-	10 A/-	8 A/-	15 A/20 A
Max peak	10 A/15 min	16 A/15 min	20 A/15 min	10 A	10 A	30 A

Power supplies

CTE power supplies meet CE 89 336 regulations (EMC and LVD Low Voltage Directivity): European safety regulations. With semi-professional features, CTE stabilizing power adapters are suited for any use.

K 35 code T 690



K 45 code T 668



K 75 code T 669



K 105 code T 670



K 205 code T 671



K 305 code T 746



Specifications	K35	K45	K75	K105	K205	K305
Input voltage	230Vac - 50Hz	230Vac - 50Hz	230Vac - 50Hz	230 Vac - 50 Hz	230Vac - 50 Hz	230Vac - 50Hz
Output voltage	13,8 Vdc	13,8 Vdc	13,8 Vdc	13,8 Vdc	13,8 Vdc	13,8 Vdc
Nominal output current	1A	2 A	4 A	5,5 A	8 A	12 A
Intermittent current	2 A	4 A	6 A	10 A	20 A	30 A
Peak current	3A	6 A	8 A	12 A	22 A	32 A
Fuse	0,5 A	1 A	2 A	3 A	4 A	6,3 A
Dimensions (HxLxD) mm	78x107x173	109x140x200	109x140x249	150x200x292	159x200x335	160x200x340
Weight	1,550 kg	2,600 kg	4,500 kg	2,800 kg	10,200 kg	14 kg

Antennas

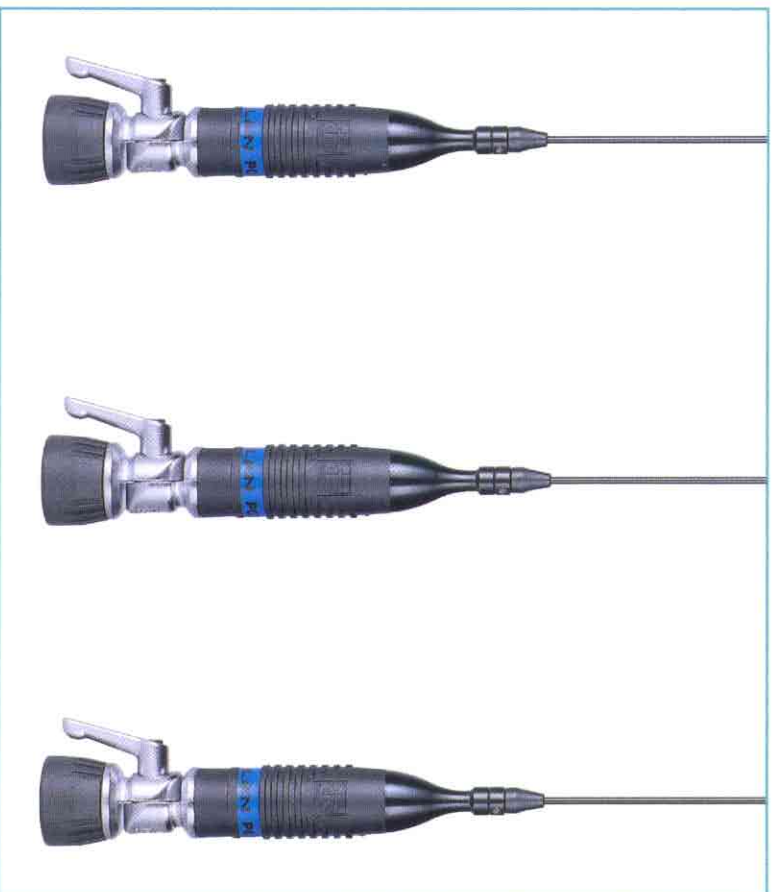


Car/Truck CB antennas



New

X-Turbo 48
code C778



Alan PC 4
code T739

Alan PC 6
code T736

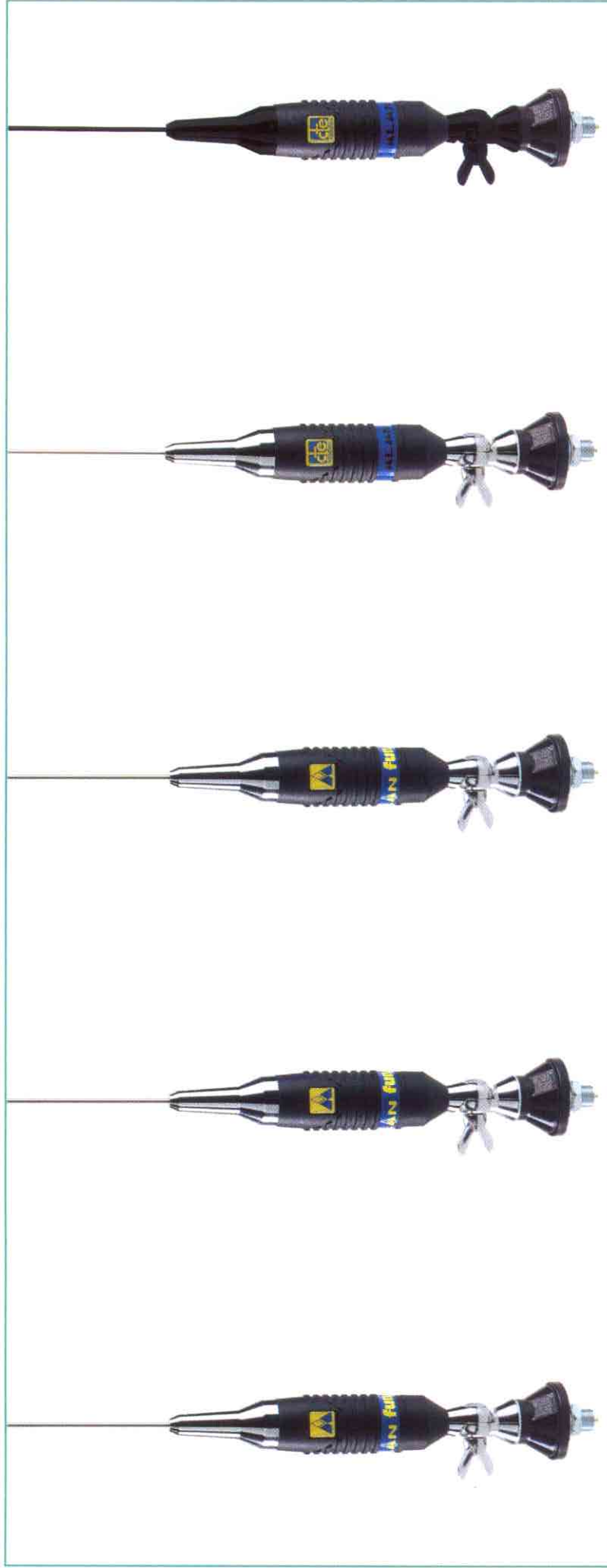
Alan PC 8
code T701



Alan S9 Plus
code T638

	X-Turbo 48	PC 4	PC 6	PC 8	ALAN S9 PLUS
Operating frequency	26±28MHz	25±30 MHz	25±30 MHz	25±30 MHz	25±30 MHz
Number of channels	200	150	240	130	200
Maximum applicable power	200W	400 W	600 W	800 W	300 W
Min SWR in centre band	1:1.2	1:1	1:1	1:1.1	1:1.2
Gain	4 dB	3 dB	4 dB	4 dB	4 dB
Length	1500mm	1150 mm	1600 mm	1630 mm	1500 mm
Impedance	50 W	52 Ohm	52 Ohm	52 Ohm	52 Ohm
Weight	540gr	450 g	450 g	450 g	390 g
Whip material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Mount	-	PL 259	PL 259	PL 259	PL 259
Hole diameter	12,5 mm	10 mm	10 mm	10 mm	10 mm
Cable	4 m	4 m	4 m	4 m	4 m

Car/Truck CB antennas



Funk 150
code T638.06

Funk 130
code T638.05

Funk 90
code T638.04

Picco 70C
code T638.12

Picco 70S
code T638.13

	Funk 150	Funk 130	Funk 90	Picco 70C	Picco 70S
Frequency range	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz	26-28 MHz
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Antenna type	5/8 Lambda	5/8 Lambda	5/8 Lambda	1/4 Lambda	1/4 Lambda
Max. power	300W max	250W max	200W max	100W max	100W max
Length	150 cm	130 cm	90 cm	70 cm	70 cm
Whip	Steel	Steel	Steel	Steel	Steel
Cable	4 m	4 m	-	4 m	4 m

Car and truck CB antennas



Mini
code C593

Supermini
code C592

	Mini	Supermini
Frequency	26±28 MHz	26±28 MHz
Number of channels	40	40
Maximum applicable power	80 W	30 W
Min SWR in centre band	1.2:1	1.2:1
Gain	3 dB	3 dB
Length	680 mm	330 mm
Impedance	50 Ohm	50 Ohm
Weight	210 g	130 g
Whip material	Stainless steel	Fibre
Mount	PL 259	PL 259
Hole diameter	12,5 mm	10 mm
Cable	4 m	4 m

CB magnetic antennas



High power antenna complete with Ø 120 mm magnetic base

Small antenna complete with cable and connector

Only 35 cm long

ML 145
code Kit 007

Midland 18-244M
code T788

Ministar 27
code C813

New

	ML 145	Midland 18-244M	Ministar 27
Operating frequency	27 MHz	26,965÷27,405 MHz	26±28 MHz
Number of channels	90	40	40
Maximum applicable power	400 W pep	100 W	10 W
Min SWR in centre band	1	1:1,2	1:1,2
Gain	1.3 dB	1.5 dB	1.0 dB
Length	1460 mm	660 mm	350 mm
Impedance	50 Ohm	50 Ohm	50 Ohm
Weight	1,600 kg	0,500 kg	
Whip material	Stainless steel	Stainless steel	Stainless steel
Mount	Magnetic base 120 PL	Ø 90 mm magnetic base	Ø 29 mm magnetic base
Built-in cable	2,9 m	2,75 m	3 m

CB-VHF marine antennas

CB

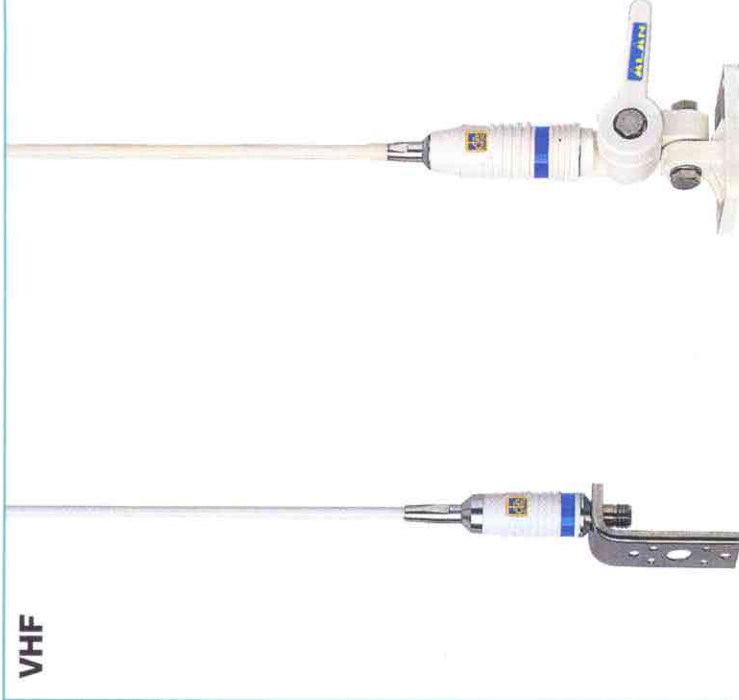
Suited for fibre glass camper



Azzurra 40
code T454

VHF

The **Shark 4** is equipped with a removable whip to permit total craft coverage during dry docking and pivot for easy adjustment in any position. Die cast body and fibre whip. Shark 3 is equipped with a fore-mast fixing bracket made of stainless steel and SO 239 connector for direct antenna cord connections. Waterproof coil. Specifically suited for small crafts and rubber rafts.



Shark 3
code F483

Shark 4
code F484

	Azzurra 40	Shark 3	Shark 4
Operating frequency	27 MHz	156÷162 MHz	156÷162 MHz
Number of channels	40	600	600
Maximum applicable power	50 W	100 W	100 W
Min SWR in centre band	1:1,1	1,1÷ 1,5	1,1÷ 1,5
Gain	3 dB	3 dB	3 dB
Length	1.600 mm	1.400 mm	1.400 mm
Whip material	Fibre	Fibre	Fibre
Connector type	w/o PL	SO 239	w/o PL
Cable	4 m	-	4 m

VHF-UHF Car/Truck antennas



NW-2000

NR-770S

NR-770R

AZ-504

M-285

M150-GSA

VH 1

VH 2

NW-2000 code C623 F.O.W.

Frequency	144/430 MHz
Gain	2.15 dB (144 MHz) 5.5 dB (430 MHz)
Type	1/2λ (144 MHz) 2x5/8λ (430 MHz) 200 W
Length	0.98 m

NR-770R code C626 F.O.W.

Frequency	144/430 MHz
Gain	3.0 dB (144 MHz) 5.5 dB (430 MHz)
Type	1/2λ (144 MHz) 2x5/8λ (430 MHz) 200 W
Length	0.98 m

F.O.W.: Foldable structure
The foldable whip guarantees extreme antenna mobility in any direction letting you easily park in your garage without removing the antenna. Safety lock for safe driving.

NR-770S code C625

Frequency:	144/430 MHz
Gain	2.15 dBi
Type	1/4λ (144 MHz) 1/2λ (430 MHz) 100 W
Length	0.43 m

AZ-504 code C627

Frequency	144/430 MHz
Gain	2.15 dB (144-430 MHz)
Type	1/4λ (144 MHz) 1/2λ (430 MHz) 50 W
Length	0.46 m

M-285 code C631

Frequency	138-174 MHz
Gain	2.15 dB
Type	5/8λ 200 W
Length	1.09 m

M150-GSA code C632

Frequency	138-174 MHz
Type	1/4λ 200 W
Length	0.51 m

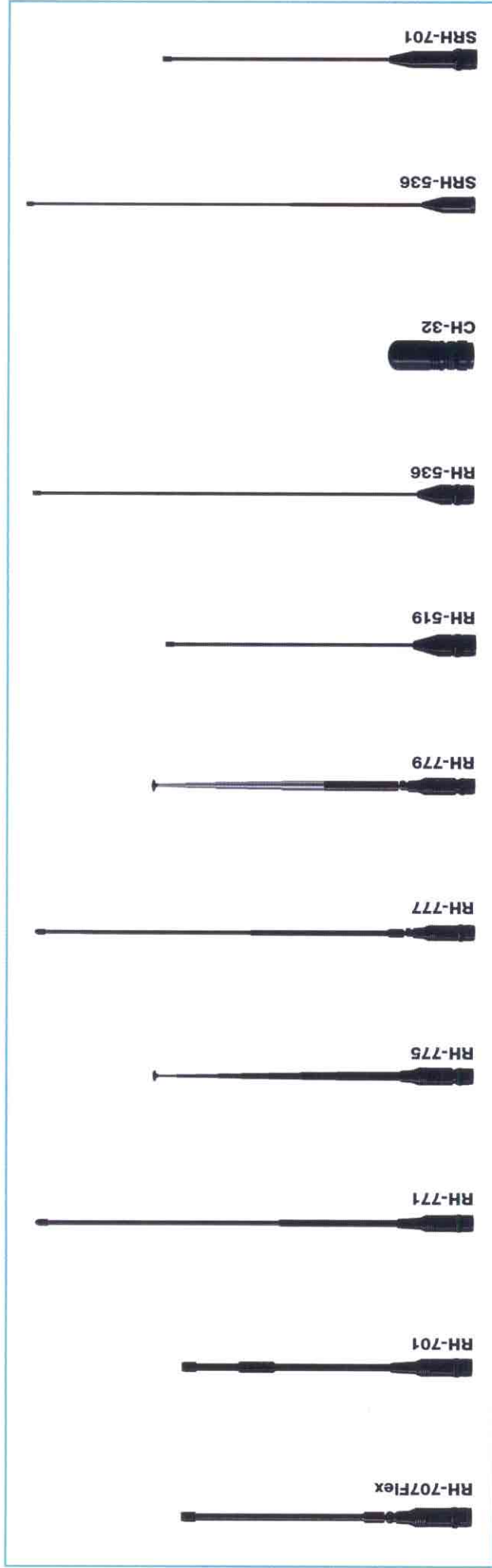
VH 1 code F092

Operating frequency	140:175MHz
Max applicable power	100W
Min SWR in centre band	1:1,2
Gain	1.3dB
Length in mm	510
Impedance	50 Ohm
Weight	300 g
Whip material	Steel
Connector type	PL259
Hole diameter	12 mm
Cable	4m

VH 2 code F093

Operating frequency	140:175MHz
Max applicable power	100W
Min SWR in centre band	1:1,2
Gain	3dB
Length in mm	1340
Impedance	50 Ohm
Weight	450 g
Whip material	Fibre
Connector type	PL259
Cable	4 m

VHF-UHF portable antennas



RH-707 code C635	Flex-Tilt
Frequency TX: 144/430 MHz	
Type 1/4λ	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 21 cm	

RH-701 code C 634	Flex
Frequency TX: 144/430 MHz	
Type 1/4λ	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 21 cm	

RH-771 code C637	Flex
Frequency TX: 144/430 MHz	
Gain 2.15 dB (430 MHz)	
Type 1/4λ (144MHz), 1/2λ (430MHz)	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 40 cm	

RH-775 code C 638	Telescopic
Frequency TX: 144/430 MHz	
Gain 2.15 dBi (430 MHz)	
Type 1/4λ - (144 Mhz), 1/2λ - (430 MHz)	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 14-41 cm	

RH-777 code C639	Flex-Tilt
Frequency TX: 144/430 MHz	
Type 1/4λ	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 40 cm	

RH-779 code CC640	Telescopic-Tilt
Frequency TX: 144/430 MHz	
Gain 2.15 dB (430 MHz)	
Type 1/4λ - (144 MHz), 1/2λ - (430 MHz)	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 14-41 cm	

RH-519 code C641	Super Flex
Frequency TX: 144/430 MHz	
Type 1/4λ - 2m/770cm	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 20 cm	

RH-536 code C644	Super Flex
Frequency TX: 144/430 MHz	
Gain 2.15 dB	
Type 1/4λ - (144 MHz), 1/2λ - (430 MHz)	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 36 cm	

CH-32 code C642	
Frequency TX: 144/430/900MHz	
Type 1/4λ - (144/430/900 MHz)	
Length 4.5 cm	

SRH-536 code C646	Super Flex - SMA
Frequency TX: 144/430 MHz	
Gain 2.15 dB	
Type 1/4 - (144 Mhz), 1/2λ - (430 MHz)	
Band 300/800 MHz 900 Mhz in reception only	
Length 37 cm	

SRH-701 code C645	Super Flex - SMA
Frequency TX: 144/430 MHz	
Type 1/4λ	
Band 120-150/300-450 MHz 800-900 Mhz in reception only	
Length 21 cm	

Antenna accessories

Antenna mounts



GR Plus/B code T 787
Gutter mount. Designed to install any mobile antenna on the gutter without drilling holes in the car body.



GR PLUS - T 786
Gutter mount. Designed to install any mobile antenna on the gutter without drilling holes in the car body.



GR-F code T 751
Stainless steel gutter mount for car antennas, with fastening hole reducer.



GR-S code T 753
Stainless steel gutter mount with dual tilt for car antennas, with fastening hole reducer.



SP-S code T 752
Stainless steel gutter mount for car antennas, with adjustable tilt and fastening hole reducer.



SP 21 code T 390
Mirror mount. Designed to install any mobile antenna on the rear view mirror, avoiding drilling holes on the car body.



Gronda 27 code T 054
Gutter mount. Designed to install any mobile antenna on the gutter without drilling holes in the car body. The special rubber suction cup guarantees perfect adhesion to the roof of the car.



DV 27 PL code T 599
DV/SO239 Centre-roof adapter



T 633
Complete spare cable for PC series antennas and centre-roof mount



PMA-2 code C716.01
Artificial grounding surface

Allows you to use standard car antennas on vehicles with fibre glass and plastic roofs (camper, trailers, boats). Extremely simple assembly: just change the original antenna cable and adjust the trimmer for minimum ROS in centre band.

Technical Specifications

Operating frequency	CB Band
Number of Channels	40
Length	8m
Antenna side connector	3 piece type
Cable type	RG 58



SC 27 code T 441
LC 27 code T 370
FC 27 code T 478
Specific screw, connector for FC 27 and CTE antenna base

Cables and extensions



Centre-roof - T 301
Centre-roof mount for US antennas.
T 598 - Centre-roof cover



T 598
Centre-roof cover



RG 58/U code T 199



RG 58/I code T 199.03



RG 58/U WHITE code T 200



RG 58/AUX code T 197
Coaxial cable
Impedance:50 Ohm.
Package:100 m



RG 58/H code G 326
Low loss coaxial cable
Impedance:50 Ohm.
Package:100 m



RG 8/U code T 198
Coaxial cable
Impedance:50 Ohm.
Package:100 m



RG 213 code T 571
Coaxial cable
Impedance:50 Ohm.
Package:100 m



RG 213 U code T 571.01



R 45/58-U code T 194
CB radio connection cable.
Connection cable with same features as RG/58, PL 259 connectors included. Length:45 cm



R 90/58-U code T 193
CB radio connection cable.
Connection cable with same features as RG/58, PL 259 connectors included. Length: 90 cm

Connectors



PL 259 code T 205
For RG8 and RG213 cables



PL 259/R code T 292
6mm plug (reduced)
For RG58 cable



PL 259/RL code T 377
For RG58 cable



Micro 4 code T 218
Compatible with devices with 6-pin microphone jacks
(see CB technical specifications on page 33)



Micro 6 code T 652
Compatible with devices with 6-pin microphone jacks
(see CB technical specifications on page 33)



UG/255 - F 076
BNC/SO 239 adapter

Magnetic bases



BM 120 DV
code T 057

BM 140 DV
code T 063

BM 120 DV and BM 140 DV are designed to resist high speeds. Equipped with scratch proof magnet cover cap. Supplied with pre-assembled universal DV 27 base.



BM 120 PL
code T 036

BM 140 PL
code T 052

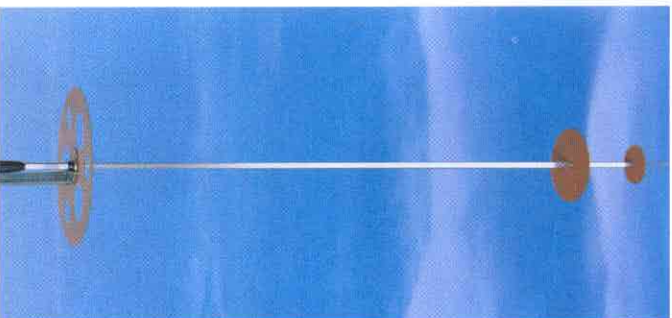
Designed to resist high speeds. Equipped with scratch proof magnet cover cap. Supplied with assembled PL mount.

	BM 120 DV	BM 140 DV
Frequency range:	26-30 MHz	26-30 MHz
Max speed:	80/130 Km/h	130/180 Km/h
Base diameter Ø:	120 mm	140 mm
Weight:	750 gr	1.400 gr
Cable	3m	3m

	BM 120 PL	BM 140 PL
Frequency range:	26-460 MHz	26-460 MHz
Max speed:	80/130 Km/h	130/180 Km/h
Base diameter Ø:	120 mm	140 mm
Weight	700 gr	1.450 gr
Cable	3m	3m

CB base antennas

Pagoda code Kit 022



Pagoda is a CB antenna with innovative features: the 2-meter length makes installation easy anywhere even where there are maximum admitted length restrictions and reduces wind effects.

Pagoda has an passing band superior to the one required for CB radios, even the most extended like radio hams. In fact, with a maximum ROS lower than 1,5, the working band is over 4 MHz (400CH) which further increase when hitting the typical ROS 2 limit reaching well over 7 MHz.

Gain, thanks to patented resonant discoid construction technology, is increased to unthinkable levels for an antenna of this length, close to that of longer and more complex antennas like the 5/8 wave or similar, that are usually more than 5 meters long. Calibration is not required thanks to the extended band and it is already resonant on channel 20 (27.205 MHz). The only instruction to be observed in installation is to use a support pole at least 3,5 meters long (better if 4) and secure any cables leeward at least one meter under the base discone. A pole at least 35 - 40 mm in diameter is recommended.

Frequency range	24-32 MHz
Impedance	50 Ohm
Typical gain	5 dB - 1:1.1 ÷ 1:1.5
Max applicable power	800 W
Length	2 m
Support pole Ø	30-45 mm
Connector	SO-239

Energy New 1/2 Code T 241.02



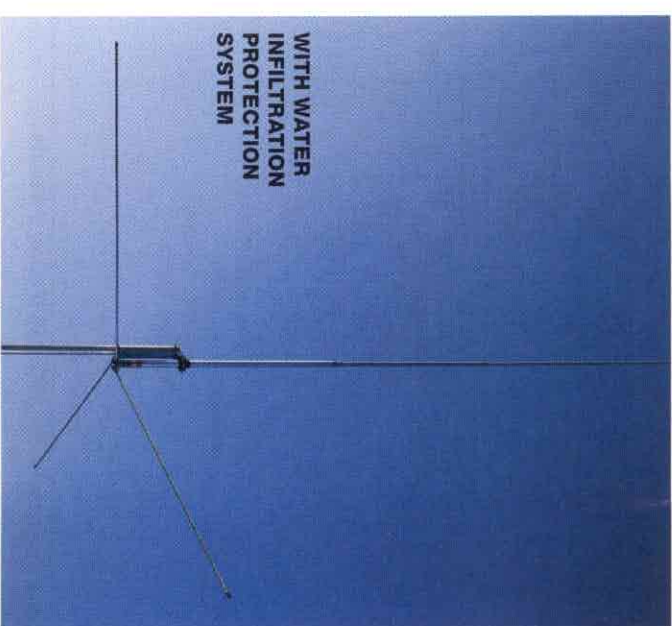
WITH WATER INFILTRATION PROTECTION SYSTEM

Energy New 1/2 is a telescopic base antenna, 1/2 lambda ground plane, operating on 27MHz, made of rust-proof aluminum.

All elements are telescopic and facilitate installation.

Frequency range	25-29 MHz
Impedance	50 Ohm
Typical gain	3 dB
Stable waves	1.2:1
Max applicable power	500 W pep
Length	5.750 mm
Weight	2.1 kg
Support pole Ø	30-40 mm
Connector	SO 239

Energy New 5/8 Code T 242.02



WITH WATER INFILTRATION PROTECTION SYSTEM

Energy New 5/8 is a telescopic base antenna, 5/8 lambda ground plane, operating on 27MHz, made of rust-proof aluminum.

All elements are telescopic and facilitate installation. The bracket is equipped with three grounding radials for better yield.

Frequency range	25-29 MHz
Impedance	50 Ohm
Typical gain	3.5 dB
Stable waves	1.2:1
Max applicable power	500 W pep
Length	6500 mm
Weight	2.5 kg
Support pole Ø	30-40 mm
Connector	SO 239

Balcony antennas

Storm 27 Code T 672



500 W universal CB antenna

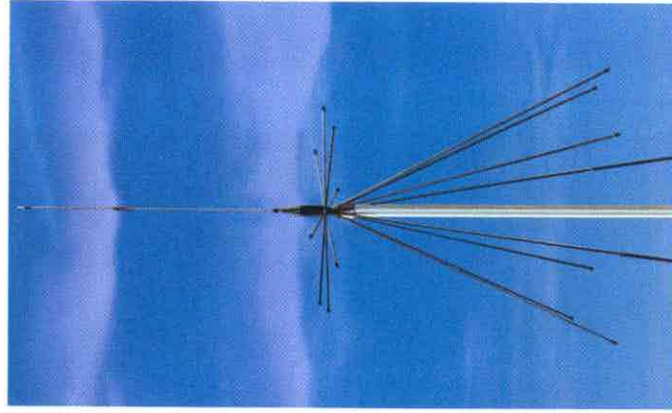
Small antenna with great power performance. The **Storm 27** is designed to work anywhere. For base operations, it can be installed at the top of a pole, in an attic, on a balcony or truck.

Specifications: base antenna, truck, does not require ground plane. Water resistant, low wind resistance. No ROS adjustment. Complete with accessories and support bracket. Colour: black

Operating frequency	27 MHz
Number of channels	200
Max applicable power	500 W
R.O.S. min. in centre band	1 +1.2
Gain	0.9 dB
Length	1000 mm

Broad band antennas

Full Band code T 734



INDICATED FOR ALL SCANNERS, RADIO-CONTROLS AND PHONES WIRELESS.

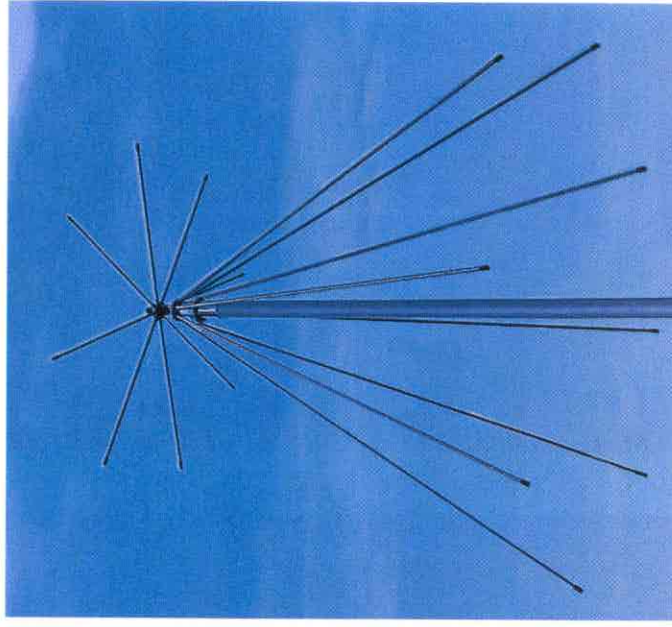
THE ONLY ONE TO TRANSMIT AND RECEIVE ON ALL FREQUENCIES (CB, AMATEUR, CELL PHONE).

25+1300 MHz broad band antenna

Full Band is the result of extensive studies to provide a small amateur and CB antenna with minimal space installation requirements. **Full Band** cover receives up to 1300 MHz and transmits on all amateur and CB bands from 25 MHz on. **Full Band** is therefore practical for CB multiband devices and "dualbander" for Full Duplex transmissions.

Reception band	25+1300 MHz
Transmission band	26-27MHz - 46-49; 72-144MHz 220-440-900-1290 MHz
Max applicable power	300 W CB - 200 W VHF -UHF
Band ROS	1.5-1
Connector	SO 239 (PL 259 on cable)
Support pole Ø	35 mm
Whips	Stainless steel

Sky Band code T 601



Broad band antennas

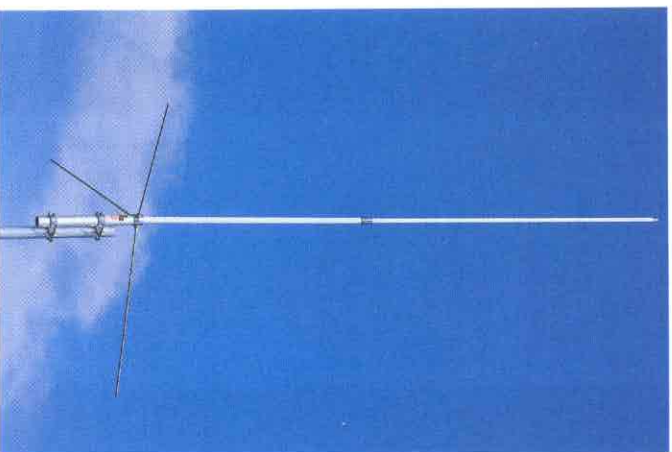
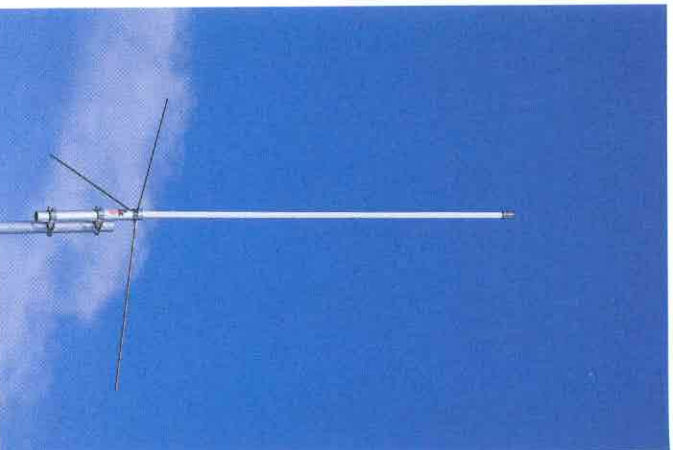
Sky Band is the result of extensive studies to provide full coverage amateur antenna use. In fact **Sky Band** provides continual coverage reception up to 1300 MHz and transmits on all amateur bands from 144 on. **Sky Band** is therefore practical for multiband devices and "dualbander" for Full Duplex transmissions. Stainless steel whips.

Support: The antenna can be installed on Ø35 mm poles.

Reception band	25+1300 MHz
Transmission band	46-49-72-144-220 440-900-1290 MHz
Max applicable power	200 W
Band ROS	1.5-1
Connector	SO 239 (PL 259 on cable)
Support pole Ø	35 mm
Whips	Stainless steel

VHF-UHF base antennas

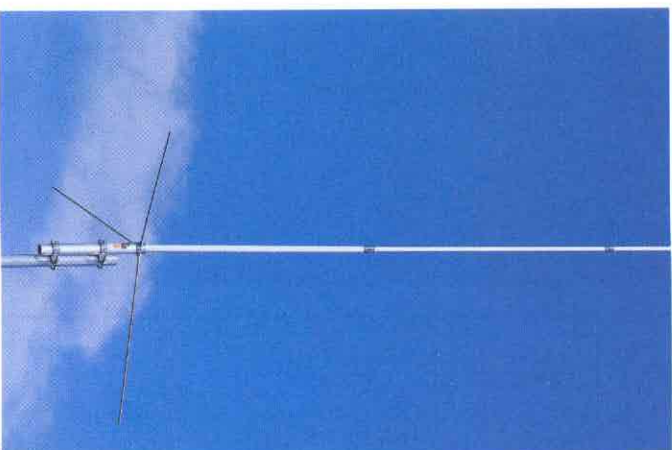
X30 code C614 X50 code C615 F-22A code C619



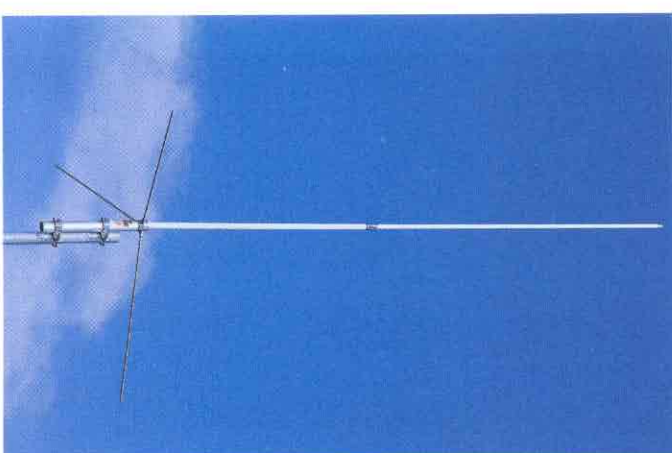
	X30 (B)	X50	F-22A(A)
Frequency	144/430 MHz	144/430 MHz	144 MHz
Gain	3,0dB(144MHz) 5,5dB(430MHz)	4,5dB(144MHz) 7,2dB(430MHz)	6,7dB
Max. power	150 W	200 W	200W
Length	1,3 m	1,7 m	3,2m
Radial length	about 19 cm	about 19 cm	about 52 cm
Weight	0,8 kg	0,9 kg	1,3 kg
Wind resistance	60m/sec	60m/sec	50m/sec
Type	1/2 I (144 MHz), 2x5/8 I (430 MHz)	6/8 I(C-Load (144MHz) 3x5/8 I C-Load (430MHz)	2x7/8 I

A - HQJ: Made with high quality and durable hinges.
B - DCG: Short-circuit grounded antenna to protect your equipment from electrostatic shock during storms.

UV300 code C384



UV200 code C385



	UV200	UV300
Gain	> 6 dB (2M), 8 dB (70 cm)	> 8,3 dB (2M) 11,7 dB (70 cm)
R.O.S.	< 1,5:1	< 1,5:1
Frequency range	144-148 MHz (2M) 430-450 MHz (70cm)	144-148 MHz (2M) 430-450 MHz (70cm)
Polarity	vertical	vertical
Impedance	50 Ohm	50 Ohm
Configuration	2 co-linear 5/8 wave 4 co-linear 5/8 wave (70 cm)	3-element co-linear ant. 8-element co-linear ant. (70 cm)
Sustainable power	200 W	200 W
Connector	SO 239	SO 239
Length in mm	2100 ca.	4800 ca.

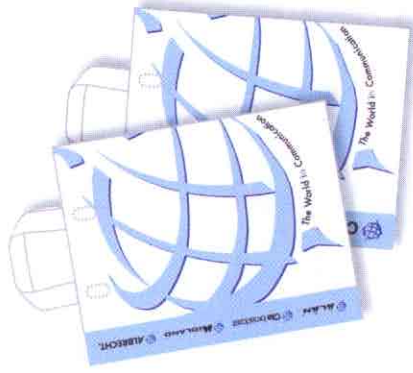
High efficiency co-linear Dualbander base antenna with 2 VHF 5/8 wave element and 4 UHF 5/8 wave element configurations. These antennas are made with excellent material like rust-proof whip fibre and rust-proof aluminium. Not just for dualbander device use, it can also be used with VHF and/or UHF devices (amateur radios). Pre-calibrated adjustment-free.

Merchandising

Code	Description
A058	Shoppers
A014	Cotton cap
A014.01	Pile cap
C726.02	Neck strap
C547	Wall clock
A046	Notebook
A051	Floor display
A013	Midland stickers size 165x45mm
A015	Midland stickers size 480x130mm
A042	TNT banner with Alan-Midland brand height 700mm



A051 Floor display



A 058 Shoppers

A014.01 Pile cap



A014 Cotton cap



A046 Notebook



C726.02 Neck strap



C547 Wall clock



A013 Small stickers

A015 Big stickers



A042 TNT banner

Some of our trade shows:



Milipol Parigi, NAB Las Vegas, IBTS Milano, IBC Amsterdam, EXA Brescia, Cebit Hannover, INTEL Milano, Sicurezza Milano

Restrictions on use

Please note that the information herein contained serves as a guideline and is subject to change.

CB transceivers		
UE Country	Allowed	Restrictions
AUSTRIA	No	Not allowed
BELGIUM	Yes	40 Ch - 4W FM - Individual licence is required 40 Ch - 1W AM - Individual licence is required
DENMARK	Yes	40 Ch - 4W FM - Free use
FINLAND	Yes	40 Ch - 4W FM - Free use 40 Ch - 1W AM - Free use
FRANCE	Yes	40 Ch - 4W FM - Free use 40 Ch - 1W AM - Free use
GERMANY	Yes	Free use 80 Ch - 4W FM - Free use (restrictions for base stations when using CH 41-80 in certain border areas) 12 Ch - 1W AM - Free use 40 Ch - 1W AM - Free use (only ch 4-15 allowed) 40 Ch - 4W FM - Free use 12 Ch - 1W AM - Free use REGTP Vf941 issued on September 10, 2003
GREECE	Yes	40 Ch - 4W FM - Free use 40 Ch - 4W AM - Free use T/R 20-02
IRELAND	Yes	40 Ch - 4W FM - Free use 40 Ch - 4W AM - Free use S.I. No 436 of 1998. WIRELESS TELEGRAPHY ACT, 1926 (SECTION 3) (EXEMPTION OF CITIZENS' BAND (CB) RADIOS) ORDER, 1998
ITALY	Yes	40 Ch - 4W FM - A Declaration to the Italian Ministry is required (art.145 - dl 259 of 01/08/2003) 40 Ch - 1W AM - A Declaration to the Italian Ministry is required (art.145 - dl 259 of 01/08/2003) 34 Ch - 4W FM, 1W AM (erp). Note: AM mode allowed on CH1-CH23 only. General authorisation is required (art.104 - dl 259 of 01/08/2003) P.N.F. issued on DM 08.07.02. Notes: 49 A/B/C/D/E/G
LUXEMBOURG	Yes	Allowed: 40 Ch - 4W FM - Free use. (Following frequencies are not allowed: 29.985, 27.045, 27.095, 27.145, 27.195MHz)
NETHERLANDS	Yes	40 Ch - 4W FM - Free use 40 Ch - 1W AM - Free use
PORTUGAL	Yes	40 Ch - 4W FM - Free use 40 Ch - 1W AM - Free use
SPAIN	Yes	40 Ch - 4W FM - Individual licence is required 40 Ch - 4W AM - Individual licence is required Ministerial decree of 18th November 2002 issued by "Secretaría de Estado de Telecomunicaciones y para la Sociedad de la Información"
SWEDEN	Yes	40 Ch - 4W FM - Free use 40 Ch - 1W AM - Individual licence is required
UNITED KINGDOM	Yes	40 Ch - 4W FM - Individual licence is required UK-RA-MPT 1382/MPT1320; UK-R&TTE -S.I.L. 2000:730
Extra UE country	Allowed	Restrictions
NORWAY	Yes	40 Ch - 4W FM - Free use
SWITZERLAND	Yes	40 Ch - 4W FM - Individual licence is required 40 Ch - 1W AM - Individual licence is required

Marine Radios - Mobile and Hand portable		
COUNTRY	Allowed	Restrictions on the use
AUSTRIA	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
BELGIUM	Yes	Individual licence is required. ATIS is allowed during navigation in inland waters only.
DENMARK	Yes	Individual licence is required. Maritime radio operator's licence is necessary. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
FINLAND	Yes	Individual licence and competence certificate are required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
FRANCE	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only, while DSC only during navigation on sea.
GERMANY	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only, while DSC only during navigation on sea.
GREECE	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
IRELAND	Yes	Individual licence and competence certificate are required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
ITALY	Yes	General authorisation ("Licenza di stazione" Laws Nr.172 of 08/07/03 and Nr.259 of 01/08/03 and DPR 447/2001 Art. 5) is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
LUXEMBOURG	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
NETHERLANDS	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
PORTUGAL	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
SPAIN	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
SWEDEN	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
UNITED KINGDOM	Yes	Individual licence and competence certificate are required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only.
Extra UE country	Allowed	Restrictions
NORWAY	Yes	Individual licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only, while DSC only during navigation on sea.
SWITZERLAND	Yes	The use of this device is not allowed except occasionally on the river Rhine and a licence is required. Use allowed on international channels only. ATIS is allowed during navigation in inland waters only, while DSC only during navigation on sea.

RAEE (DL 25/07/05 nr 151)

In Italy, the RAEE directive will be in effect from 13/08/06 forcing consumers to recycle waste marked with the symbol illustrated on the right. Waste can be delivered to the dealer in the event of a new purchase or the recycling centre (please specify)



CTE International is a founding partner of **Consorzio RE.MEDI@**, a non-profit organisation whose mission is to transport, reuse, process, recover, recycle and dispose RAEE waste from domestic environments belonging to the **Information Technology, Consumer Telecommunications and Electronics** market fields to fulfill the objectives set by Directive 2002/96/CE and by national regulations assimilating this Directive.

Our certifications



Ministero delle Infrastrutture e dei Trasporti

CTe International has obtained the certification of suitability to the Automotive manufacturing

SINCERT



ASSOCIATO



ETSI



Member of:



Warranty

All our products are guaranteed for 24 months as long as Warranty Certificate and sales receipt, completed and stamped by the dealer, are sent to our Customer Service Centres. Ask your dealer for the Authorized Customer Service Centre nearest you.

N.B. returns are not accepted unless postage paid and authorized by the Sales Department (0522 509442) or Customer Service Department (0522 509440). Unauthorized returns will be immediately returned to senders.

This catalogue replaces and annuls previous ones. We reserve the right to change technical and aesthetic device features at any time and without notice.



Dealer



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The World in Communication

Cte International srl

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