

 **Cte international**

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 **MIDLAND**[®]
2011/12 Catalogue



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1972-2012 "40 years in the radiocommunication world"



News



PMR446/Dual band Transceivers

Mobile/Portable Citizen Band Transceivers

Leisure time

Bluetooth and Interphone devices for sports activities

Stereo earwarmers

PMR446/Dual band Transceivers

Two way radios you can use anywhere, at any time, for free.

PMR446 and Dual Band Transceivers are the best way to **communicate for free with anyone**. Communications are "immediate", without the need to dial numbers or rely on ringtones or other procedures.

All users on the same frequency channel receive the call when you make it and can respond one at a time.

Just press the PTT button (Push-To-Talk) dedicated to transmission and talk!

Midland transceivers are **easy to use**, lightweight and compact, with engaging design, enabling you to communicate easily with many people...saving you money and time.

PMR446 devices operate on frequencies within 446 Mhz (8 channels) and have 500mW transmission power.

Dual Band equipment, work on two bands, the PMR446 and the

Certifications



- › **ISO 9001 2008**
For the design, production and installation of devices and systems of telecommunications for industrial, military, marine and consumer use.
- › **Cte International is an accredited member of ETSI - European Committee for the Definition of Telecommunications Standards** - contributing to the definition of harmonised technical specifications for the products and services within the telecommunication range.
- › **Cte International is also part of the ANIE Federation commission for research and innovation**, part of the Industrial Confederation and represents the electrotechnical and electronic companies operating in Italy.



Warranty

All our products are guaranteed for a period of 24 months, on condition that they are sent to our Service Centres together with the relevant receipt.
Ask your dealer for the Authorised Customer Service Centre nearest to you.
Note: Returns are not accepted unless authorised by the Sales Department or Customer Services Department and sent on freight prepaid basis. Unauthorised returns will be rejected.



This catalogue replaces and annuls previous versions. We reserve the right to change technical and aesthetic features of the devices at any time and without notice.
Some of the images used in this catalogue derive from the expeditions of the "Donnavventura" program for which Midland is the technical sponsor.

Communication on
Motorbikes
Bluetooth and Interphone
devices



Leisure time
Action Videocameras
GPS navigators



VHF/UHF amateur and
professional



LPD band which is within 433 Mhz (69 Channels) with output power about 10mW.

Coverage

The maximum range **depends on terrain condition** and is obtained when used in an open space.

The only limitation to maximum possible range are environmental factors such as blockage caused by trees, buildings, or other obstructions. Inside a car or a metallic construction, the range can be reduced. Normally the coverage in the city, with buildings or other obstructions is about **1 or 2 Km**. In open space

but with obstacles like high ground, trees, foliage or houses the maximum possible range is about **4-6 Km**. In open space, without obstacles and in sight, like for example in the mountains, the coverage can be **more than 12 Km**.



1-2 km



4-6 km



12 km+

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PMR446/Dual-Band Transceivers



PMR446



CTCSS/DCS



Vox



Power save



Roger beep



Scan



Monitor



Battery type



2 pin Kenwood

Midland G11

The brand new "Semi-professional" PMR446 transceiver, small and easy to use with an ultra compact design



Versions

PMR446

Colour

Black

Channels

PMR446: 8 + 8 pre-set channels
Toni: 50 CTCSS + 105 DCS

Main features

- › Output power: 500mW
- › Channel spacing: 12.5KHz
- › Built-in VO X function (vocal-activated communication)
- › Channel scan
- › SCAN function
- › Beep keypad tone
- › Roger beep
- › Monitor
- › Auto battery save
- › **2 pin accessories jack KENWOOD**

Packaging and codes

G11 Box:

1 single transceiver, 1 wall adaptor 1 1600mAh Li-ion rechargeable battery pack 1 desktop charger User manual and belt clip
cod C966.01

Programming software PRG10

Code C974.01

Customization of channels and frequencies (50 tones CTCSS and 105 DCS codes to select).
Enabling and disabling of specific functions.



Midland G9

The new radio with GREAT performances.
Double PTT, to transmit in high or low power

Versions

G9: Dual-Band PMR446/LPD
G9E: PMR446

Colour

Black/Mimetic Mossy Oak®

Channels

Dual-Band:
PMR446 8 + 16 pre-programmed/LPD 69
PMR446: 8 + 16 pre-programmed
Tones: 38 CTCSS + 104 DCS



Dual PTT key to choose high or low output power

Thanks to this feature, it is possible to optimize the battery charge by transmitting with high power only when necessary.

Emergency function

the "Emergency" button allows you to reach all the radios in range even if tuned on different channels.

"Vox TalkBack" function:

Even if the radio is still transmitting on VOX (Voice Activated Transmission), you can talk back.

Main features

- › Dual PTT key for a high or low output power
- › Emergency function
- › **Waterproof: IPX5**
- › 12 cm antenna to take best advantage of the output power of the radio
- › Out of range function
- › Vox Talk Back function
- › VOX adjustable on 3 levels, the 4th is "the Talk Back function"
- › Vibracall function
- › Keypad lock
- › Auto power save: automatic current economy circuit
- › Discharged battery indicator
- › Dual Watch function
- › SCAN function
- › CALL button with 5 selectable tones
- › Monitor function
- › Roger Beep: end transmission tone
- › High/low power selection
- › LCD display with backlight
- › **2 Pin accessories jack**
- › **Compatible wall charger: MW904**

Packaging and codes

G9 Box:

Box with 1 radio, desktop charger with wall adaptor, 4 AA rechargeable batteries (1800 mAh), belt clip

code C923 Dual-Band version (PMR446/LPD)

code C923.01 E version (PMR446 only)

cod C923.03 Dual-Band Mimetic version (PMR446/LPD)



Mimetic version, original Mossy Oak®



08
CHANNELS

PMR446

69
CHANNELS

LPD

16
PREPROG100110
010101

CTCSS/DCS



Waterproof



Emergency



Intercom



Call



Dual Watch



Vox Talk Back



Scan



Monitor



Vibracall

Hi/Low Power
BATT.PACK

Battery type

AAA TYPE



Battery type



2 pin

Midland G8

Rugged and compact, Waterproof IPX5.
With new "Emergency" function

Versions

G8: Dual-Band PMR446/LPD

G8E: PMR446

Colour

Metal gray/Black

Channels

Dual-Band: PMR446 8 + 16 pre-programmed/LPD 69

PMR446: 8 + 16 pre-programmed

Tones: 38 CTCSS + 104 DCS

"Emergency" function:

Just press the "EMG" button to transmit an emergency call and talk to all the G8 radios in range, even on different channels.

"Out of range" function:

Just press a button to send a request and check if there are other radios in range.

"Vox TalkBack" function:

Even if the radio is still transmitting on VOX (Voice Activated Transmission), you can talk back.

Intercom Moto

The intercom jack makes G8 the ideal solution for motorbike use.

Main features

- › **Waterproof: IPX5**
- › Emergency call
- › Intercom
- › Vibracall
- › Keypad lock
- › Auto power save: automatic battery saving circuit
- › Low battery indicator
- › VOX adjustable on 3 levels, with "TalkBack"
- › Dual Watch
- › CALL with 5 selectable tones
- › SCAN
- › Monitor
- › Out of Range
- › Roger Beep
- › High/Low Power selection
- › Backlit LCD Display
- › Operates with: Battery pack (or 4 opt. AAA batteries)
- › **Audio accessory jack: 2 Pin**
- › **Compatible wall charger: MW904**

Packaging and codes

G8 Box:

Box with 1 radio, desktop charger, wall charger, rechargeable battery pack (800 mAh), belt clip
code C832 Dual-Band version (PMR446/LPD)
code C832.01 E version (PMR446 only)
code C832.02 E version "UK" (PMR446 only)



Midland G8E-BT

The radio with integrated Bluetooth technology

Versions

PMR446

Colour

Metal gray/Black

Channels

8 + 16 pre-programmed
Tones: 38 CTCSS + 104 DCS

Main features

Same as G8 (see page 6)

Packaging and codes

G8E-BT Box:

Box with 1 radio, desktop charger, wall charger, rechargeable battery pack (800 mAh), belt clip
code **C975**



Motorbike



Sports



Headset



Midland M99

The complete and reliable radio

Versions

PMR446

Colour

Black/grey

Channels

8 + 91 preset
Tones: 38 CTCSS + 104 DCS

Main features

- › 2 level VOX
- › alphanumeric LCD display
- › Call button
- › SCAN function
- › Keypad lock
- › Up to 12 hours autonomy
- › **2 pin accessories jack**

Packaging and codes

M99 Box:

2 radios, 2 belt clips, 2 battery packs 600mAh, 2 headsets, 1 rapid desk top charger, 1 wall adaptor, 2 carry cases with neck strap
cod **C869**



08
CHANNELS

PMR446

100110
010101

CTCSS/DCS



Vox



Scan



Battery type



2 pin

08 CHANNELS

PMR446

69 CHANNELS

LPD

100110
010101

CTCSS/DCS



Call



Vox



Vibracall



Monitor



BATT.PACK



Battery type



2 pin

Midland G7 XTR

Practicality and robustness

Versions

Midland G7 XTR: Dual-Band
PMR446/LPD

Midland G7E XTR: PMR446

Colours

Gray/Black
Mimetic Mossy Oak

Channels

Dual-Band: PMR446 8/LPD 69

PMR 446: 8

Tones: 38 CTCSS



Mimetic version,
original Mossy Oak®

Packaging and codes

G7XTR Mimetic Single Box:

with 1 radio, Wall charger,
4 rechargeable batteries Ni-MH
AA 1,2V/1800 mAh, belt clip

code C926.04 Dual-Band version

Main features

- › Vibracall function
- › Keypad lock
- › Auto power save: automatic current economy circuit
- › Low battery indicator
- › VOX adjustable on 2 levels for hands free communication
- › Dual Watch function
- › CALL button for 5 selectable tones
- › SCAN function
- › Monitor
- › High/low power selection
- › Roger beep: on/off
- › LCD display with backlight
- › Battery pack or 4 batteries AA
- › **2 pin accessories jack**
- › **Compatible wall charger: MW904**

Packaging and codes

G7XTR Blister Box:

Blister with 2 radios, double desk charger, wall adaptor, 2
battery packs 800mAh, belt clip

code C926.03 Dual-Band version (PMR446/LPD)

code C926.01 E version (solo PMR)

G7XTR Box single box:

Box with 1 radio, wall charger, 4 rechargeable batteries Ni-
MH AA 1,2V/1800 mAh, belt clip

code C926 Dual-Band version

Midland G6 XT

With the new **Baby Sitting** function, reliable and easy to use

Version

PMR446

Colour

Black

Channels

PMR 446: 8 + 40 pre-programmed
Tones: 38 CTCSS

Main features

- › **Baby Sitting function with dedicated channels**
- › Keypad Lock
- › Auto power save
- › Low battery indicator
- › VOX adjustable on 3 levels + Vox Talk Back
- › CALL with 5 selectable tones
- › SCAN
- › Monitor
- › Out of Range
- › Roger beep
- › LCD display with backlight
- › Operates with: Battery pack (or 4 AAA batteries opt.)
- › **Audio accessory jack: 2 Pin**
- › **Compatible wall charger: MW904**



Packaging and codes

G6 XT Blister Box:

Transparent blister box with 2 Radio, two slot desktop charger, 2 battery packs (600mAh), wall charger, belt clips.
code C830.08

08 CHANNELS

40 PREPROG

100110
010101
CTCSS



Baby sitter



Battery type

AAA TYPE



Battery type



2 pin

Midland G5 XT

Equipped with the new **Baby Sitting** function, with rubber finish

Version

PMR446

Colour

Black

Channels

PMR 446: 8 + 16 pre-programmed
Tones: 38 CTCSS



Main features

- › **Baby Sitting function with dedicated channels**
- › Keypad Lock
- › Auto power save
- › Low battery indicator
- › VOX adjustable on 3 levels + Vox Talk Back
- › CALL/SCAN/Monitor
- › Roger beep
- › LCD display with backlight
- › Operates with: 3 batteries AAA
- › **Audio accessory jack: 2 Pin**
- › **Compatible wall charger: MW904**

Packaging and codes

G5 XT Blister:

Blister with Radio pair, 2 wall chargers, 6 AAA rechargeable batteries, 2 belt clips, 2 wrist bands
code C897

08 CHANNELS

18 PREPROG

100110
010101
CTCSS



Baby sitter



Battery type



2 pin

Midland G8 Valibox

Work & Hobby version.

Designed for daily use in working places

The VALIBOX package, contains in a functional and knocks-resistant box a **full optional set**: a couple of G8 transceivers, 2 desktop chargers with wall adaptors, 2 battery packs, 2 car chargers, 2 amplified microphones.

The ideal solution in working places for best team work management.

For main features see pag. 6

Packaging and codes

G8 Valibox full optional:

2 G8 radios, 2 desktop charger with wall adaptors,
2 800mAh rechargeable battery packs, 2 car chargers,
2 amplified microphones.

code **C832.03 Dual-Band version (PMR446/LPD)**

code **C832.04 E version (PMR446 only)**



Midland G5 XT Valibox

Work & Hobby version.

Practical box allows you to take your radios everywhere

The EVA Box packaging allows you to have in a practical case: G5XT pair, 2 wall chargers, 6 batteries, 2 microphones with earphones and travel power supply.
For main features see pag. 9

Packaging and codes

G5 XT EVA Box full optional:

G5 XT radio pair, 2 wall chargers, 6 rechargeable AAA batteries,
2 microphones with adjustable headset and PTT, 2 travel power supplies 12V.

code **C897.01**



Midland 777

A real gem of radio, for everyday use

Versions

Midland 777:
Dual-Band PMR446/LPD
Midland 777E: PMR446

Colours

Black
White

Channels

Dual-Band version:
PMR446 8/LPD 69
PMR 446: 8
Tones: 38 CTCSS



Packaging and codes

Midland 777 Blister:

Transparent blister with radio pair, double desktop charger, 1 wall charger with double plug, 2 lithium 650mAh battery, belt clips, neck straps.

code C724.19 Dual-Band version, black

code C724.21 Dual-Band version, white

code C724.22 E version (PMR446 only) black

code C724.23 Dual-Band UK version, black



Limited edition:

Metal case with radio pair, 2 earphones, double desktop charger, 1 wall charger with double plug, 2 lithium batteries 650mAh, belt clips, neck straps.

code C724.20 Dual-Band version, black

code C724.24 E version (PMR446 only), Black

Main features

- › Vibracall
- › Keypad lock
- › Auto power save: automatic battery saving circuit
- › Low battery indicator
- › VOX adjustable on 3 levels for hands-free communications
- › Dual Watch
- › CALL
- › SCAN
- › Monitor
- › Roger beep
- › High/Low Power
- › Blue backlit LCD Display
- › Operates with: Lithium battery pack 650mAh
- › **Audio accessory jack: 1 Pin 2,5 mm stereo**
- › **Compatible wall charger: MW905**



1 pin

08 CHANNELS

PMR446

69 CHANNELS

LPD

100110
010101

CTCSS/DCS



Dual Watch



Scan



Vibracall



Hi/Low Power
BATT.PACK



Battery type



1 pin

Midland 777TR Multiple Charger Case 777TR

Tourist Radio version, for tourist groups,
with recharging case for 30 receivers

Midland 777TR is the ideal solution to manage the group communication connected with guided tours. The radios are mechanically locked to allow use in reception only and can be set only prior to being used.

There are 8 Channels available on PMR446 band and 69 for the LPD band. This allows the management of various groups without interferences. In addition the 38 CTCSS tones can also be used, allowing you to create new personal channels. The tour guide can use any model PMR446/LPD radio to communicate with the group.

Version

Dual-Band PMR446/LPD

Colour

Black

Channels

Dual-Band: PMR446 8/LPD 69

Tones: 38 CTCSS

Main features

- › Dualband receiver
- › Keypad lock
- › Auto power save: automatic battery saving
- › Low battery indicator
- › Dual Watch
- › High/low power
- › Backlit LCD display
- › Power supply:
Li-Ion 650mA battery pack
- › **Accessories jack: 1 pin 2,5 mm stereo**
- › **Compatible wall charger: MW905**



MIDLAND 777TR is supplied in carton containing 50 pcs and including waist clip, battery packs and collar bands.

The chargers are not included. They are sold in two different and separate solutions: multiple recharging case and double desktop chargers.

Multiple charger case 777TR:

practical suitcase branded Midland, capable of recharging up to 30 radios at once and includes the car charger cable and wall adaptor.

Desktop charger 777TR 25pc:

carton containing 25 double desktop chargers that allow recharging of up to 50 receivers 777TR. The relative wall adaptors are also supplied.

Packaging and codes

Midland 777TR

Carton containing 50 receivers, waist clips, battery packs and neck collars.

code C724.27

Multiple Charger case 777TR

Rigid black suitcase to recharge 30 Midland 777TR with car charger (13.8V) and wall adaptor cable (220V).

code C922

Desktop charger 777TR 25pc

Carton containing 25 double desktop chargers supplied with relative wall adaptors.

code C921



Base Camp446

Ideal solution for Emergency and safety alert situations, with a built-in flashlight, SOS feature and dynamo crank.

Version

PMR446 radio, AM/FM receiver, VHF marine band receiver

Colour

Metal Gray/Black

Channels

PMR446: 8 + 16 pre-programmed

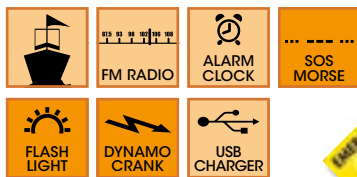
Main features

- › PMR446 transceiver
- › VHF marine band receiver
- › Alarm clock- AM/FM radio
- › SOS Morse signal
- › Handheld microphone equipped
- › Built-in Flashlight
- › Dynamo crank battery charge capability
- › Recharge USB jack
- › Supplied 6V Ni-MH rechargeable battery pack
- › Works also with Alkaline batteries
- › **2 pin accessories jack**
- › **Compatible wall charger: MW904**

Packaging and code

1 Midland Base Camp446, 1 wall adaptor, 1 800mAh battery pack, 1 shoulder strap, 1 2 pin microphone and 12V charger.

code C838



Midland G14

Robust and programmable with Emergency function.

Version

PMR446

Colour

Black with red insert

Channels

PMR 446: 8 + 91 pre-programmed
Tones: 50 CTCSS + 105 DCS norms or inverts

Main features

- › Scrambler function
- › Scanning on all channels and "Priority Scan"
- › Emergency function
- › VOX function (free hands transmission)
- › Busy Channel Lock Out
- › Time-out Timer function (TOT)
- › Auto power save: automatic battery saving circuit
- › High/low power selection
- › Backlit LCD display with choice of three different colours
- › Keypad lock to avoid accidental pressure on keys
- › Low battery indicator
- › **Accessories jack for 2 pin KENWOOD**

Packaging and codes

G14 Box:

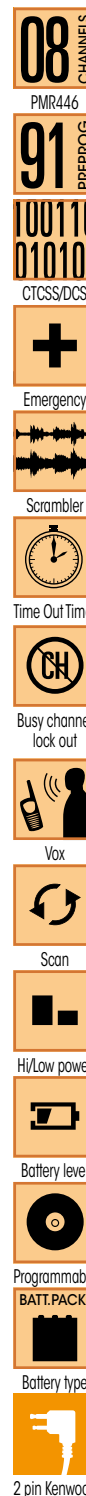
Box with 1 radio, desktop charger, wall charger, Li-Ion rechargeable battery pack (1200 mAh), belt clip

code C901

Programming software PRG G14

- › Transmission power can be customised
- › Channels and frequencies can be customised
- › Specific functions can be enabled or disabled

code C902





Alan HP450 2A

PMR/PMR446 Radio for professional use

Alan HP450 2A has built in scrambler for reserved conversations and is supplied with e-vox, which is different from the traditional vox function because it can be activated without using external microphones.

The frame is made of diecast aluminium, it is certified IP67 for protection against immersion in water up to 1 mt depth and dust resistant.

Available in the spacious Eva box, a semirigid case ideal for housing the complete range of accessories provided.

Versions

Alan HP 450 2A:
Dualband (PMR/PMR446)

Colour

Black/Camouflage

Channels

8 PMR446/91 preprogr.,
312 to program
Tones: 38 CTCSS+104 DCS

Main features

- › **Waterproof: IP67**
- › MIL 810 C,D,E,F
- › Emergency call
- › Scrambler
- › Keypad lock
- › Auto power save: automatic battery saving circuit
- › Battery low indicator
- › Dual Watch
- › CALL with 5 selectable tones
- › SCAN
- › Monitor
- › Out of Range
- › Roger beep
- › High/low Power selection
- › LCD Display with backlight
- › **Operates with: Battery pack**
- › **Audio accessory jack: 2 Pin**

Optional accessories

Waterproof palm speaker/mike, gray

SMK05/25 - G894

Desktop rapid charger, black

RC45 - G1066

Rechargeable battery pack 2200 mAh Li-Ion, black

BP4522 - G1068

Rechargeable battery pack 1100 mAh NiMH, black

BP4511 - G1067

Microphone with adj. earphone and VOX/PTT

MA 21-L - C709.03 (see page 19)

Microphone with earphone and PTT/Vox

MA28-L - C559.03 (see page 19)

Microphone with acoustic tube earphone and PTT/Vox

MA31 - L - C732.03 (see page 19)

Action throat mic with tactical PTT and acoustic tube earphone

ATM Tactical - C857 (see page 18)

Antenna connector

BNC25 - G405

Screwdriver in order to screw-unscrew the antenna connector

Screw Driver G911



SMK05/25



RC45



BP4522



BP4511

PRG450

Programming software
complete with USB cable
for PC
code G1069



Packaging and codes

ALAN HP450 2A EVA Box

EVA Box with 1 Radio, single fast desktop charger, wall charger, 1 battery pack, holster in rigid polycarbonate with swivel holster.

code G1093.05

with battery pack 1100 mAh NiMH

code G1093.06

with battery pack 2200 mAh Li-Ion



**Action Mimetic version,
original Mossy Oak®**

Packaging and codes

ALAN HP450 2A Action Mimetic

EVA Box

EVA Box with 1 Radio, single fast desktop charger, wall charger, 1 battery pack, holster in rigid polycarbonate with swivel holster.

code G1093.10 Action Mimetic

with battery pack 2200 mAh Li-Ion



Midland G12

PMR446 semi-professional radio, compact and sturdy

Version

Midland G12: PMR446

Colour

Black

Channels

PMR 446: 8 + 8 pre-programmed
Tones: 38 CTCSS+83 DCS

Main features

- › Scrambler / Vibracall
- › Keypad lock
- › Auto power save: automatic battery saving circuit
- › Low battery indicator
- › Dual Watch / SCAN
- › CALL / Monitor
- › Roger beep

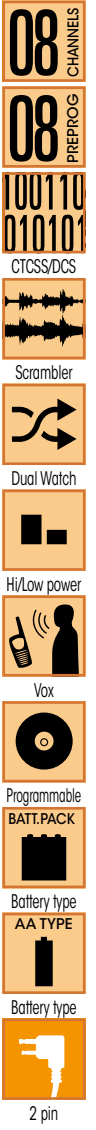
- › High/Low power selection
- › Backlit LCD Display
- › Reception signal indicator
- › Operates with: Battery pack (or 3 batteries AA opt.)
- › **Audio accessory jack: 2 Pin**
- › **Compatible wall charger: MW905**

Packaging and codes

G12 Box: Box with 1 radio, desktop charger, wall charger, 1800mAh Ni-MH battery pack, belt clip
code C773

PRG-G12

Programming software complete with serial cable for PC.
code C789



Base 446

The base station PMR446 for group communication and for work situations

Version

Base 446: PMR446

Colour

Black

Channels

PMR 446: 8
Tones: 38 CTCSS

Main features

- › Fixed telescopic antenna
- › Keypad lock
- › Auto power save: automatic battery saving circuit
- › Low battery indicator
- › VOX adjustable on 3 levels for hands-free communications
- › Dual Watch
- › CALL with 10 selectable tones
- › SCAN
- › Monitor
- › Roger beep
- › LCD Display with backlight
- › Operates with: 9V battery or wall adapter.
- › **Audio accessory jack: 1 Pin 3,5 mm stereo** - You can still use all the 2 pin audio accessories with the adaptor **code C651**

Packaging and codes

Base 446 Box
Single radio with 220V wall adapter
code G969



Technical specifications



Model	Midland G11	Midland G9/G9 Mimetic	Midland G8/G8E-BT	Midland M99
Band	PMR446	PMR446-LPD (Dualband) PMR446 only	PMR446-LPD (Dualband) PMR446 only	PMR446
Channels	8+8 preset subchannels	8 PMR446+16 pre-prog/69 LPD E Vers. 8 PMR446+16 pre-progr	8 PMR446+16 pre-prog/69 LPD E Vers. 8 PMR446+16 pre-progr	8+91 programmable
CTCSS and DCS	50 CTCSS, 105 DCS	38 CTCSS, 104 DCS	38 CTCSS, 104 DCS	38 CTCSS, 104 DCS
Vox	9 levels	Adjustable on 3 levels + talk back	Adjustable on 3 levels + talk back	2 levels
Operate with	recharg. battery pack . Li-Ion 1600mAh	4 recharg. batteries AA 1800mAh or 4 AA alkaline (opt)	battery pack 800mAh or 4 AAA recharg. or alkaline batteries (opt)	recharg. 600mAh battery pack
Autonomy 5/5/90	22 h with 600mAh battery pack		12 hours, with battery pack 800mAh	12 h
Display		Backlit multi-function LCD	Backlit multi-function LCD	Backlit multi-function LCD
Transmission power	500mW	PMR446 500/10mW ERP (high/ low) LPD 10mW	PMR446 500/10mW ERP (high/ low) LPD 10mW	PMR446 500mW
Working temperature	-20° +50°C	-20° +55°C	-20° +55°C	-20° +55°C
Weight	209 g (including battery)	114 g (without batteries)	114 g (without batteries)	95 g
Dimensions (WxHxD)	58x112x34mm	58x110x32mm	58x110x32mm	58x160x28
Connections	Audio ccessory jack, wall charger	Audio accessory jack, wall charger	Audio accessory jack, wall charger + Intercom	Audio ccessory jack, wall charge
Accessory jack	2 pin Kenwood	2 pin	2 pin	2 pin
Compatible wall charger	desk charger only	MW904	MW904	desk charger only



Model	Midland G7 XTR/ G7 XTR/G7 XTR Mimetic	Midland G6 XT	Midland G5 XT
Band	PMR446-LPD (Dualband)/PMR446 only	PMR446	PMR446
Channels	8 PMR446/69 LPD E vers. 8 PMR446	8 + 40 pre-programmed	8 + 16 pre-programmed
CTCSS e DCS	38 CTCSS	38 CTCSS	38 CTCSS
Vox	Adjustable on 2 levels	Adjustable on 3 levels + talk back	Adjustable on 3 levels + talk back
Operate with	battery pack 800mAh or 4 AA rechargeable batteries	battery pack 600mAh or 4 AAA recharg. or alkaline batteries (opt)	3 rechargeable batteries AAA Ni-MH
Autonomy 5/5/90	Up to 18 hours with 800mAh BP	12 hours, with battery pack 600 mAh	Up to 35hours with alkaline batteries
Display	Backlit multi-function LCD	Backlit multi-function LCD	Backlit multi-function LCD
Transmission power	PMR446 500/10mW ERP (high/low) LPD 10mW	500mW ERP	500 mW ERP
Working temperature	-20° +55°C	-20° +55° C	-20° +55°C
Weight	123 g	95 g (without batteries)	74 gr
Dimensions (WxHxD)	58x122x34 mm	55x100x28 mm	50x85x25 mm
Connections	Audio accessory jack, wall charger	Audio accessory jack, wall charger	Audio accessory jack, wall charger
Accessory jack	2 pin	2 pin	2 pin
Compatible wall charger	MW904	MW904	MW904



Model	Midland 777/777 TR	Base Camp 446	Midland G14
Band	PMR446-LPD (Dualband)/PMR446 only	PMR446	PMR446
Channels	Dualband 8 PMR446/69 LPD E vers. 8 PMR446	8 + 16 preprogrammati	8 + 91 pre-programmed
CTCSS e DCS	38 CTCSS	38 CTCSS, 83 DCS	50 CTCSS, 105 DCS
Vox	Adjustable on 2 levels	Adjustable on 3 levels + talk back	Adjustable on 3 levels
Operate with	battery pack Li-Ion 3,7V 650mAh	battery pack 800mAh, rechargeable through dinamo crank or AC/DC wall charger	battery pack Li-Ion 7,4V (1200mAh)
Autonomy 5/5/90	Up to 21 hours with battery pack 650 mAh	12 hours with 800mAh battery pack	14 hours with 1200mAh battery pack
Display	Backlit multi-function LCD	Backlit multi-function LCD	Backlit multi-function LCD
Transmission power	PMR446 500/10mW ERP (high/low) LPD 10mW	High (~500mW ERP) or Low (~10mW ERP)	High (~500mW ERP) or Low (~10mW ERP)
Working temperature	-20° +55°C	-20° +55°C	-20° +55°C
Weight	58 gr	563 g (without batteries)	203 g (with batteries)
Dimensions (WxHxD)	42x86x16 mm	120x180x55 mm	50x100x33mm (without antenna)
Connections	Audio accessory jack, wall charger	Audio accessory jack, USB jack	Audio accessory jack
Accessory jack	1 pin - 2,5 mm stereo	2 pin	2 pin
Compatible wall charger	MW905	MW904	desktop charger only



Model	Alan HP450 2A/HP450 2A Action Mimetic	Midland G12	Base 446
Band	PMR/PMR446	PMR446	PMR446
Channels	8 + 91 pre-programmed	8 + 8 pre-programmed	8
CTCSS e DCS	38 CTCSS, 104 DCS	38 CTCSS, 83 DCS	38 CTCSS
Vox	Adjustable on 2 levels	Adjustable on 3 levels	Adjustable on 3 levels
Operate with	battery pack 1100/2200 mAh	battery pack NiMh 1800mAh or 3 AA batteries (opt)	1x 9V battery - wall adaptor
Autonomy 5/5/90	-	Up to 28 hours with battery pack	-
Display	Backlit multi-function LCD	Backlit multi-function LCD	Backlit multi-function LCD
Transmission power	500 mW ERP (livello high/low)	500/10mW ERP (high/low)	500 mW ERP
Working temperature	-20° +55°C	-20° +55°C	-20° +55°C
Weight	180 gr (without batteries)	115 gr	270 gr
Dimensions (WxHxD)	54x113x35 mm	52x121x32 mm	140x45x110 mm
Connections	Audio accessory jack	Audio accessory jack, charger	Audio accessory jack, wall adaptor
Accessory jack	2 pin	2 pin	1 pin - 3,5 mm stereo
Compatible wall charger	desktop charger only	MW905	included



Action Line accessories

Dedicated to the Paintball and Airsoft/Skirmishing community

ACTION LINE accessories stand apart from competitor model, thanks to their strong cables, the close attention paid to detail and manufacturing quality.

Note: the Action Line accessories don't work with "VOX"



Action throat mike with tactical PTT and acoustic tube earphone
ATM Tactical code C857
 with L-type jack, 2 Pin



Earphone/mike with adjustable boom and tactical PTT
ABM Tactical code C855
 with L-type jack, 2 Pin



Earphone mike with PTT
A21M code C858
 with L-type jack, 2 Pin



Earphone/mike with adjustable boom and PTT
ABM code C856
 with L-type jack, 2 Pin



Ear phone
EP21 code C859
 with L-type plug, 1 Pin 3,5mm

For "listen only" use with G7/G9 etc...

Accessories

Microphone with adjustable earphone and VOX/PTT (spiral cable)

MA 21-L - C709.03



MA 21-SX - C709.02



Palm speaker/mike with volume knob and earphone jack

MA 26 - L - C515.01



Arm microphone with adjustable earphone and PTT/Vox

MA 30 - L - C648.03



MA30-G5 - C648.02

(not compatible with Alan 421)



Microphone with acoustic tube earphone and PTT/Vox

MA31 - C732



MA31 - L - C732.03



MA31SX - C732.02

(not compatible with Alan 421)



Headphone with arm microphone

MA 35 - L - C652.02



Throat microphone headset with PTT and finger PTT

AE38 - C823



Microphone with earphone and PTT/Vox

MA 24-L - C517.02



Microphone with earphone and PTT/Vox

MA 28 - L - C559.03



MA28-G5 - C559.01

(not compatible with Alan421-G5XT)



Microphone with adjustable arm

AE30 - C851



Microphones with Kenwood type connector

MA 21-K - C843

Earphone microphone with PTT



MA 21-LK - C709.04

Earphone microphone with PTT



MA31-LK - C732.04

Pneumatic earphone microphone



MA22-K - C844

Palm speaker microphone with PTT



Accessories

Bluetooth adapter

BPA 200 - C900

Bluetooth adapter with PTT for handheld radios - see page 68



BPA 100 G-K - C804.02

Bluetooth adaptor with PTT for handheld transceivers - see page 68



Kenwood



Bluetooth throat microphone headset

Midland BT Sport

Medium **C850.01**
Large **C850**



Adapter

C829

to make all devices with 1 Pin - 2,5mm stereo jack compatible with 2 Pin accessories

C651

to make all devices with 1 Pin - 3,5mm stereo jack compatible with 2 Pin accessories



Antennas and adapter

G7 Flex - C646.01

Length: 35 cm

Compatible with:

Midland G7 line, G8, G9, G14



Double position desktop charger

CA-ATL/G7 - C785

Compatible with:
Midland G7 line



Double position desktop charger

CA 456 2S - C669

with 6 rechargeable batteries
700mAh.

Charges 2 radios simultaneously

Compatible with:

PMR446: Alan451R, Alan456R

LPD: Alan516, Alan503



Desktop charger

RC05 - C663.02

Compatible with: Alan HP446 Extrà



Rechargeable battery pack

PB-G11 - C967

Lithium 1600mAh

Compatible with: Midland G11



Rechargeable battery pack

BP 0513 - G811.02

1300mAh Ni-MH

Compatible with: HP446 Extrà

BP 0518 - G811.03

1800mAh Ni-MH

Compatible with: HP446 Extrà



Rechargeable battery pack

PB-ATL/G7 - C784

800mAh Ni-MH

Compatible with:

Midland G7 line, G9

PB G6/G8 - C881

800mAh Ni-MH

Compatible with:

Midland G8, Midland G6



Auto Kit for handheld transceivers

Two way radio car kit - C982

Contents of package: palm microphone, dashboard mike holder, car charger, adaptor for simultaneous use of microphone and charger, belt clip, car suction support

Compatible with: Midland G7XT, G7 XTR, G8 and G9 (2 pin connector)



Rechargeable battery pack

PB-777 - C783

Li-Ion 3,7V da 650mAh

Compatible with:

Midland/Alan 777 line



Car adaptor for desk chargers

AL-DTC - C981

Compatible with:

Midland series G7, Midland G8, G9, G11, G14



Car charger

AL777 - C803

Compatible with:

Midland/Alan777 line, K1, Midland G5, Midland G12

ALG7 - C814

Compatible with:

Midland G9 line, G8, G7, G6, G5XT, Base Camp446, 445BT, Alan445 Sport



Recharge adaptor

C827

Adaptor for recharging of only the battery pack (without radio)

Compatible with: Midland G7



Wall charger

MW905 - C887

Compatible with:

Midland/Alan777, Midland G12

MW-G5 - C741

Compatible with:

Midland G5, K1

MW904 - C689

Compatible with:

Midland G9, G7, G7XT, G6, G6XT, G5XT, Base Camp446, 445BT, Alan445 Sport, 441, 443 LPD: Alan860



Waterproof case

CC ATL / G7 WP - C826

Compatible with:

Midland G8, G7, G6, Alan 445 Sport, Midland 445BT



Recharge adaptor

C828

Adaptor for recharging of battery pack only (without radio)

Compatible with: Midland G12



2

Mobile/portable transceivers Citizen Band



Midland 203

Midland 203 is the brand new Multi Standard CB transceiver, essential in its functionalities but with advanced performances: Phase Locked Loop circuitry gives precise frequency control and stability over all channels (pinpoint channel tuning accuracy with separate scan up and down controls); the ceramic filters give superior selectivity and freedom from adjacent channel interference.



Main features

- › Multi standard radio (only on the following frequencies: I-EU-PL-D3, see table below)
- › Channel display: shows the number of the channel in use
- › "AM/FM" switch
- › Squelch
- › CH 9-19 switch: to tune immediately on priority channels 9 or 19
- › Compact microphone
- › External loudspeaker jack
- › **Mike connector: 4 pin**

Packaging and codes

1 radio, microphone, mounting bracket and fixing screws, power supply cable
cod. C972



Multi device frequency band table

Code	Country
I	Italy 40 CH AM/FM 4 Watt (26.965-27.405)
I2	Italy 34 CH AM/FM 4 Watt (26.875-27.265)
D3	Germany 80 CH FM 4 Watt / 40 CH AM 1 Watt
D4	Germany 80 CH FM 4 Watt / 40 CH AM 4 Watt
EU	Europe 40 CH FM 4 Watt / 40 CH AM 1 Watt
EC	CEPT 40 CH FM 4 Watt
E	Spain 40 CH AM/FM 4 Watt
F	France 40 CH FM 4 Watt / 40 CH AM 1 Watt
PL	Poland 40 CH AM/FM 4 Watt
UK	England 40 CH FM 4 Watt + EC (40 CH FM 4Watt CEPT)
UKE	England 40 CH FM 4 Watt (Alan 121 and Midland 220 only)
UKC	40 CH FM 4 Watt CEPT (Alan 121 and Midland 220 only)
EXPORT VERSION	
RU	Russia 400 CH AM/FM 4 Watt
PX	Poland 400 CH AM/FM 4 Watt Polish frequencies
SW	Sweden 24 CH FM 4 Watt 31 MHz



**NOISE
BLANKER**

Noise Blanker



Emergency



Dual Watch



Memory



Signal

12V

Power



6 pin

Midland 248

The innovative peculiarity of **Midland 248** consists in its being controlled by a microprocessor. **Midland 248** is synthesized in frequency by a PLL circuit allowing the requested frequencies to be generated by a crystal making for greater reliability and flexibility in the control of the same.

Midland 248 is equipped with the "**NOISE BLANKER SYSTEM**" (noise reducer device) that reduces considerably the audio noises (up to 95%), allowing a clear communication even when the signal is disturbed.

Main features

- › Multi standard radio
- › Noise Blanker System
- › Blue backlit multifunctional display
- › Backlit controls
- › 4 memory positions
- › RF Gain: control of the sensibility in RX
- › Mic Gain: control of the amplification of the microphone in TX
- › Fast selection channels: Quick Up/Down
- › Scan - Dual Watch - Squelch
- › Emergency channel



- › Compact microphone "Precision Series" with Up/Down/Lock scroll buttons
- › External S-Meter jack
- › **Mike connector: 6 pin**

Packaging and codes

1 radio, microphone, mounting bracket and fixing screws, power supply cable
code C879

Midland 248XL

Midland 248XL is a mobile transceiver whose main feature is the possibility to select any of the European CB bands with an easy and quick operation. **Midland 248XL** is equipped with the "**ESP2**" and "**NOISE BLANKER**" (noise reducer devices) that reduce considerably the audio noises up to 95%, allowing a clear communication even

when the signal is disturbed.

Midland 248XL is also equipped with an analogical S-Meter, showing the transmitted power and the signal received.

The unit is preset at the factory on the "**EC**" band, **CEPT 40CH FM 4W**.

Main features

- › Multi standard radio (see page 23)
- › ESP2: noise reducer
- › Noise Blanker System
- › Blue backlit multifunctional display
- › Backlit controls
- › 5 memory positions
- › RF Gain: control of the sensibility in RX
- › Mic Gain: control of the amplification of the microphone in TX
- › Fast selection channels: Quick Up/Down
- › Scan - Dual Watch - Squelch
- › Emergency channel
- › Compact microphone "Precision Series" with Up/Down/Lock scroll buttons
- › External S-Meter jack
- › **Mike connector: 6 pin**



Packaging and codes

1 radio, microphone, mounting bracket and fixing screws, power supply cable
code C892



**NOISE
BLANKER**

Noise Blanker

ESP2

ESP 2



Emergency



S-Meter



Dual Watch



Memory

12V

Power



6 pin

Midland 278

Small and compact **Midland 278** is the ideal solution for those wanting the "last generation" CB, reliable and technologically advanced and always user friendly.

Midland 278 is equipped with the "NOISE BLANKER" (noise reducer device) that drastically reduces the audio noises (up to 95%), allowing a clear communication even when the signal is disturbed.

Main features

- › Multi standard radio (see page 23)
- › Noise Banker System: noise reducer device
- › Blue backlit multifunctional display
- › Backlit controls
- › Fast selection channels: Quick Up/Down
- › Compact microphone "Precision Series" with Up/Down/Lock scroll buttons
- › External S-Meter jack
- › Scan
- › Emergency channel
- › **Mike connector: 6 pin**



Packaging and codes

1 radio, microphone, mounting bracket and fixing screws, power supply cable
code C880



Midland 220

The **Midland 220** is a brand Multi standard mobile CB transceiver, in **DIN** size, with front speaker and **ESP2** noise reduction system. Thanks to the DIN size, installation is simple and easy, with everything you need included in the box, including the DIN bracket mounting kit. Buttons and controls are clearly visible and user friendly and the **large LCD multicolour display** with choice of 7 colours, ensures clarity and ease of operation in any type of light condition.

Main features

- › Multi standard radio(see page 23)
- › Power: 1W/4W depending on the country (see page 23)
- › DIN size
- › Front speaker
- › ESP2 noise reduction system
- › Multi-colour LCD display "7 colours"
- › 2 memory positions
- › Emergency channel
- › Channel/frequency display view
- › Mic Gain: control of the amplification of the microphone in TX
- › RF Gain: control of the sensibility in RX
- › Squelch
- › Mic Up/Down
- › **Mike connector: 6 pin**

Packaging and codes

1 radio, microphone, DIN mounting bracket and fixing screws, power supply cable
code C860



Examples of multicolour LCD





Alan 48 Plus Multi B

Alan 48 Plus Multi B 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.

Main features

- › Multi standard radio (see page 23)
- › Power: 1W/4W depending on the country (see page 23)
- › Blue backlit multi-function display "Precision Series" microphone with UP/DOWN/LOCK keys
- › Squelch
- › RF Gain: control of the sensibility in RX
- › MIC Gain: control of the sensibility in RX
- › 4 memory positions
- › Emergency channel
- › SCAN
- › Dual watch
- › External s-meter jack
- › External speaker jack
- › **Mike connector: 6 pin**



Packaging and codes

1 radio, microphone, mounting bracket, fixing screws.
code C422.15



Alan 78 Plus Multi B

Alan 78 Plus Multi B 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.

Main features

- › Multi standard radio (see page 23)
- › Power: 1W/4W depending on the country
- › Blue backlit multi-function display
- › "Precision series" microphone with UP/DOWN/LOCK keys
- › Squelch
- › External speaker jack
- › External s-meter jack
- › SCAN
- › **Mike connector: 6 pin**



Packaging and codes

1 radio, microphone, mounting bracket, fixing screws.
code C423.15

Alan 42 Multi

Alan 42 Multi is the only portable CB that allows the user to choose any European CB band using a simple and fast procedure (see frequency band table). The external talk/listen microphone jack located on the upper part of the transceiver facilitates use of 2 pin accessories (vox, etc.).

Main features

- › Multi standard radio (see page 23)
- › Power: 1W/4W depending on the country
- › Emergency channel (EMG)
- › Keypad lock (LOCK)
- › Battery charge
- › High-low output power level (H-L)
- › Backlit display button
- › AM-FM selection
- › SCAN, Dual Watch
- › antenna jack: BNC
- › Operates with: 8 penlight AA or 12V
- › **Audio accessories jack: 2 pin**

Packaging and codes



1 radio, wall charger for 8 penlight battery pack, battery case for 6 penlight AA type alkaline batteries, battery case 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 42 Multi C480.13

Optional accessories

Rechargeable battery pack

PB E42 - C602

Battery case for 8 penlight AA type (batteries not included)



Spare antennas

Ant 42 - C611 Antenna

CB Flex B- C394
Flex antenna 53 cm



Alan 42 is compatible with all the 2 pin accessories available in the PMR446/Dual-Band section* (pag. 18-20)

* except MA46



**NOISE
BLANKER**

Noise Blanker



S-Meter

12V

Power



4 pin

Alan 48 - 40 Channels (for Italian market only)

Alan 48 is a complete device for truly demanding radio amateurs. Since 1986, it is still the number one 40-channel CB!

Packaging and codes

1 radio, microphone, mounting bracket, fixing screws.
code C217.02

Main features

- › Band: AM-FM
- › Noise Blanker System
- › 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)
- › Blue lighted front panel
- › Squelch
- › **Mike connector: 4 pin**



Alan 68 S - 34 channels (for Italian market only)

The number one selling 34-channel CB since 1983!!

Main features

- › Band: AM-FM
- › 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).
- › Squelch
- › Lighted front
- › **Mike connector: 4 pin**

Packaging and codes

1 radio, microphone, mounting bracket, fixing screws.
code C025.02



Alan 199-A

Alan 199-A is a small mobile CB 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 features

- › Band: AM
- › Channel display
- › Up/Down keys
- › Squelch
- › Emergency channel 9-19
- › External speaker jack
- › **Mike connector: 5 pin**

Packaging and codes

1 radio, microphone, mounting bracket, fixing screws.
code C702



AM

Band



Emergency

12V

Power



5 pin

Alan 100 Plus B

Alan 100 Plus B 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.

Main features

- › Band: AM-FM
- › Emergency channels 9 & 19
- › Channel display
- › Up/Down keys
- › Squelch
- › Transmission and reception led
- › External speaker jack
- › **Mike connector: 4 pin** (Alan 100 Plus B)
- › **Mike connector: 5 pin** (Alan 100 Plus Euro)

Packaging and codes

1 radio, microphone, mounting bracket, fixing screws.
Alan 100 Plus B code C442.09
Alan 100 Plus Euro code C442.07



Emergency

12V

Power



4 pin



5 pin

Technical specifications



Model	Midland 203	Midland 248	Midland 248 XL
CB type	Multistandard mobile	Multistandard mobile	Multistandard mobile
General			
Channels-Band	see table on page 23	see table on page 23	see table on page 23
Frequency range	26.565-27.405 MHz	26.565-27.99125 MHz	26.565-27.99125 MHz
Power voltage	12,6 Vcc ± 10%	12,6 Vcc ± 10%	12,6 Vcc ± 10%
Dimensions (WxHxD)/Weight	124x38x190 mm/1.2 Kg	180x50x150 mm/1 Kg	150x45x175 mm/1 Kg
Mic jack	4 pin	6 pin	6 pin
Receiver			
Sensitivity (20dB SINAD)	> 1.0 µV	0,5 µV (AM/FM)	0,5 µV (AM/FM)
Audio output power	4 W max	> 3 W@ 8 Ohm	> 3 W@ 8 Ohm
Audio distortion	< 8% @ 1KHz	< 8% @ 1KHz	< 8% @ 1KHz
Transmitter			
Output power	4 W	4 W	4 W
Modulation	FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%	FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%	FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%
Max absorbed current	1100 mA	2500 mA	2500 mA



Model	Midland 278	Midland 220	Alan 48 Plus Multi B
CB type	Multistandard mobile	Multistandard mobile	Multistandard mobile
General			
Channels-Band	see table on page 23	see table on page 23	see table on page 23
Frequency range	26.565-27.99125 MHz	25.625 - 27.99125 MHz	26.565 - 27.99125 MHz
Power voltage	12,6 Vcc ± 10%	12,6 Vcc ± 10%	12,6 Vcc ± 10%
Dimensions (WxHxD)/Weight	180x35x140 mm/0,850 Kg	170x52x170 mm/1,020 Kg	180 x 50 x 150 mm/1 Kg
Mic jack	6 pin	6 pin	6 pin
Receiver			
Sensitivity (20dB SINAD)	0,5 µV (AM/FM)	1 µV	0,5÷1 µV
Audio output power	> 3 W@ 8 Ohm	> 3W @ 8 Ohm	> 3W @ 8 Ohm
Audio distortion	< 8% @ 1KHz	< 3% @ 1KHz	< 8% @ 1KHz
Transmitter			
Output power	4 W	4W	4W
Modulation	FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%	FM: 1,8KHz ± 0,2KHz AM: da 85% a 95%	FM: 1.8 KHz +/- 0.2 KHz AM: da 85% a 95%
Max absorbed current	2500 mA	1100mA	1100 mA



Model	Alan 78 Plus Multi B	Alan 42 Multi
CB type	Multistandard mobile	Multistandard handheld
General		
Channels-Band	see table on page 23	see table on page 23
Frequency range	26.565 - 27.99125 MHz	26.565 MHz - 27.99125 MHz
Power voltage	12,6 Vcc ± 10%	12 Vcc max
Dimensions (WxHxD)/Weight	180 x 35 x 140 mm/0,850 Kg	70 x 140 x 30 mm/220 g (- batt)
Mic jack	6 pin	2 pin
Receiver		
Sensitivity (20dB SINAD)	0.5 μV ÷ 1 μV	1,0μV (AM), 0,55μV (FM)
Audio output power	> 2W @ 8 Ohm	0.5W@8 Ω
Audio distortion	< 8% @ 1 KHz	3%@1KHz
Transmitter		
Output power	4W	4W
Modulation	AM: 85% α 95% FM: 1.8 KHz +/- 0.2 KHz	AM 90% ±5% / FM 2KHz
Max absorbed current	1100 mA	900 mA



Model	Alan 48	Alan 68 S	Alan 199A	Alan 100Plus B/Plus Euro
CB type	AM-FM mobile	AM-FM mobile	AM mobile	AM-FM mobile
General				
Channels-Band	40 AM - 40 FM	34 AM - 34 FM	40 AM	40 AM -40 FM
Frequency range	26.965 - 27.405 MHz	26.865 - 27.265 MHz	26.965 - 27.405 MHz	26.965 - 27.405 MHz
Power voltage	12,6 Vcc ± 10%	12,6 Vcc ± 10%	13,2 V max	13,8 Vcc ± 10%
Dimensions (WxHxD)/Weight	165 x 58 x 205 mm/1,5 Kg	165 x 55 x 205 mm/1,5 Kg	124 x 38 x 190 mm/1,2 Kg	124 x 38 x 190 mm/1,2 Kg
Mic jack	4 pin	4 pin	5 pin	4 pin/5 pin
Receiver				
Sensitivity (20dB SINAD)	0,5÷1 μV	0,5÷1 μV	< 1,0μV	< 1,0μV
Audio output power	> 3W @ 8 Ohm	> 3W @ 8 Ohm	>2W max	>2 W max
Audio distortion	< 5% @ 1KHz	< 5% @ 1 KHz	< 8% @ 1KHz	< 8% @ 1KHz
Transmitter				
Output power	4W	4 W	1W/4W AM	100 Plus B: 4W AM-FM 100 Plus Euro: 1W AM - 4W FM
Modulation	FM 2KHz AM 100%	AM 100% = FM 2KHz	AM: 90%	AM: 90%, FM: 2KHz
Max absorbed current	1100mA	1100mA	2000 mA	FM: 1300 mA/AM: 2000 mA

Accessories

“Old style” Microphone with metal grid

Mike SE (Special edition)

code C870
4 pin connector for
Alan 48, Alan 68S



code C870.01
6 pin connector for **Plus**
Multi and Excel family,
Alan 121, Midland 220, 248,
248 XL, 278



Microphone for Alan 48, Alan 68S

Electret Microphone

MR120 - code C404.01
Up/Down buttons
6 pin connector
for **Multi and Excel family,**
Alan 121, Midland 220, 248,
248 XL, 278



Original microphone for Alan 100 Plus/Alan 199-A

Midland - code T059
Original **Alan 48, Alan 68S**
4 pin connector



Original microphone for Alan 48, Alan 68S

code R17332
5 pin connector
for **Alan 100 Plus,**
Alan 100 Plus Euro
and **Alan 199-A**



Original microphone for Alan 100 Plus B

MDL4190 - code C074
Impedance 500 Ohm,
for **Alan 48, Alan 68S**
4 pin connector



“Precision series” microphone

NEW

code R51504
4 pin connector
for **Alan 100 Plus B,**
Midland 203



Microphone holder

Mike Multi - code C714
Up/Down buttons (channel
selection), Lock button (Up/
Down microphone key lock)
for Alan 48/78 Plus Multi
6 pin connector
for **Multi and Excel family,**
Alan 121, Midland 220, 248,
248 XL, 278



PM3 - code T431
with screw and dual-adhesive tape
attachment

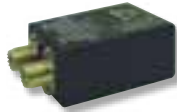
PMF - code T570
with screw and dual-adhesive tape
attachment, fluorescent



Dual filter

27/586 - T760

Suited to eliminate harmonics and disturbance on TV receivers



Supply cable power cord

T060

3-pole, with fuse box
Length: 160 cm



Broadband SWR meter wattmeter



KW 520 code C530

To check transmitter power and antenna adaption, with two separate measurement lines, one 1.8 at 200 MHz, and the other 140 at 525MHz. Allows you to 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.

Main features	
RF power	5W - 20W - 200W - 400W
R.O.S.	1.1 / ∞
Impedance	52 Ohm
Frequency range	1.8 200 MHz - 140 - 525 MHz
Precision	ROS - PWR 5%
Dimensions	155x100x60mm
Weight	730 g
Connector	SO239

Brackets

SU 29 - T452

For CB radios. Practical runner support for radio removal
Compatible with all mobile CB's



SA 48 - T769

Complete with 1 bracket, 2 slides, 2 screws.
Compatible with Alan 48, Alan 68S



Brackets

SPM-48 DIN - C791

DIN Bracket for Alan 48 Plus Multi B/
Excel Multi, Midland248/248XL

SPM-78 DIN - C792

DIN Bracket for Alan 78 Plus Multi B,
Midland 278

SPM-100 DIN - C807

DIN Bracket for Alan 100 Plus, 100
Plus Euro, Alan 100 Plus B, 199-A,
Midland 203



Wattmeter/SWR meter



SWR 20 code C1005 - SWR 30 code C1006

SWR meters of reduced dimensions for measurement and regulation of CB antennas. SWR 30 has enhanced RF power to show the most important CB readings.

Main features	SWR20	SWR30
RF power	100 W	100 W
R.O.S.	1.1 / 1.3	1.1 / 1.3
Impedance	50 Ohm	50 Ohm
Frequency range	3.5 - 50 MHz	3.5 - 50 MHz 26-30 MHz
Precision	+5%	+5%
Dimensions	85x55x30 mm	85x55x30 mm
Weight	215 g	215 g
Connector	SO239	SO239

Speakers



Midland 70-2355T code C733



AU 20 code T775



AU 25 code T681



AU 30 code T682



EH 800 code P348

Main features	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	2 W	3 W	7 W	-
Max power	20W	5 W	5 W	12 W	10 W
Dimensions (mm)	123x123x62	65x55x65	100x60x60	110x140x60	90x85x110

Power supplies



105 code T670

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.

Main features	K 105
Input voltage	230 Vca - 50 Hz
Output voltage	13,8 Vcc
Nominal output current	5,5 A
Intermittent current	10 A
Peak current	12 A
Fuse	3 A
Dimensions (HxLxD)	150x200x292
Weight	6,800 Kg



RDT 11/S code C786

Switching technology AUTOMOTIVE approval Nr: 10R-026170



RDT 10/A code C589

AUTOMOTIVE approval Nr: E3 02 1049



RDT 16/S code C787

Switching technology AUTOMOTIVE approval Nr: 10R-026171



RDT 14/A code C531

AUTOMOTIVE approval Nr: E3 02 1050



RDT 20/S code C788

Switching technology AUTOMOTIVE approval Nr: 10R-026172



RDT 30/R code T674

AUTOMOTIVE approval Nr: E3 02 1051

Main features	RDT 11/S	RDT 16/S	RDT 20/S	RDT 10/A	RDT 14/A	RDT 30/R
Switching technology	Yes	Yes	Yes	No	No	No
Input voltage	20-30 Vcc	20-30 Vcc	20-30 Vcc	24-28 Vcc	24-28 Vcc	24-28 Vcc
Output voltage	13,5 +/- 0,5Vcc	13,5 +/- 0,5Vcc	13,5 +/- 0,5Vcc	13,8 Vcc	13,8 Vcc	13,8 Vcc
Dimensions (HxLxD)	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
δ/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

HF 747 code C882

Main features	HF 747	Output power	150W max
Frequency	HF	SSB output power	300W pep max
Power	12-14Vcc	Mode	AM-FM-SSB-CW
RX consumption	14-20A	Fuse	2x12A
Input power	1-5W	Dimensions/Weight	109x210x35mm/ 605g
SSB input power	2-10W		



HF/ VHF linear power amplifier

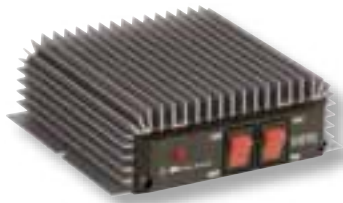
(not for use in European Union)



HF 757 code C883



HF 767 code C884



VHF 90 code C885



VHF 220 code C886

Main features	HF757	HF767	VHF90	VHF220
Frequency	HF	HF	140-152 MHz	150-170 MHz
Power	12-14 Vcc	12-14 Vcc	12-14 Vcc	12-14 Vcc
RX consumption	12-24 A	10-34 A	6 A	14 A
Input power	1-10 W	1-15 W	0,5-7 W	1-25 W
SSB input power	2-20 W	2-30 W	1-14 W	2-50 W
Output power	200 W Max	300 W Max	45 W Max	110 W Max
SSB Output power	400 W pep Max	600 W pep Max	90 W pep Max	220 W pep Max
Mode	AM-FM-SSB-CW	AM-FM-SSB-CW	FM-SSB-CW	FM-SSB-CW
Fuse	2x12 A	3x12 A	8 A	2x8 A
Dimensions	109x225x62 mm	170x210x62 mm	109x125x35 mm	109x225x35 mm
Weight	980 gr.	1600 gr	325 gr	625 gr

3

Mobile/portable marine transceivers





Pacific

Rugged, large LCD display,
for fast and functional communications.

The **Midland Pacific** is a VHF marine handheld transceiver, with the most reliable characteristics, such as wide LCD display, 20 programmable channels, 5W output power and detachable antenna. The SMA standard connector allows to use also other types of antennas.



Main features

- › **Waterproof: IPX5**
- › Transmission power: 5W
- › High/low power selection (5W/1W)
- › 57 International channels
- › 20 channels programmable by the user (via software)
- › Instant access to emergency channel 16
- › Wide LCD display with backlight
- › Detachable antenna (SMA connector)
- › Battery status indicator and power save
- › SCAN, VOX, Keypad lock
- › Dual Watch
- › Automatic Squelch
- › Roger Beep (end conversation tone)
- › Sockets for: SPK/MIC/CHG
- › Operates with: battery pack (or 4 AA batteries opt)
- › **Audio accessories jack: 2 pin**
- › **Wall charger compatible: MW905**

Packaging and codes

Box with 1 Radio, single desktop charger, wall adaptor, 2-way car lighter charger 12V , battery pack(800mAh), belt clip and desktop/wall support.
cod G1094 Black

PRG Pacific

Programming software for Pacific
complete with USB cable for PC
code G1124



Atlantic XT

Reliable and easy to handle,
to navigate in complete safety

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

- › Transmission power: 5W
- › High/low power selection (5W/1W)
- › 56 International channels
- › Immediate access to emergency channel 16
- › Backlit LCD display
- › CALL key with 3 selectable tones
- › SCAN / Dual watch function
- › Keypad lock to prevent accidental calls
- › Automatic squelch adjustment
- › Roger Beep on/off
- › VOX for hands-free communications
- › Low battery indicator
- › Automatic battery saver
- › Operates with: 4 AA rechargeable/alkaline batteries
- › **Audio accessory jack: 2 Pin**
- › **Wall charger compatible: MW904**



Packaging and codes

Box with 1 Radio, desktop/wall support, belt clip, waterproof case with neck collar

code G1037.03 Black

code G1037.04 White

Atlantic XT Kit

Also available in kit version with NiMH battery pack, charger and 12Vcc power supply

code G1037.05 Black



Waterproof



DCS



ATIS



GPS



57 CHANNELS



25W

Power



Hi/Low power



Agenda



Scan



Dual Watch



Tri Watch



Programmable

Neptune 100

Compact, essential and totally waterproof IPX7

The **Neptune 100** packs a wide range of essential functions for communication at sea. Thanks to the large backlit LCD display all data and frequency information is clearly and immediately visible.

Neptune 100 is totally waterproof with IPX7 protection certified. It can be dipped into water for 30 min. up to 1 meter depth.



Main features

- › **Waterproof: IPX7**
- › 57 International channels
- › DSC system – Class D – with potential to save received messages
- › ATIS system
- › Transmission power: 25W
- › Main controls replicated in the microphone for even more immediate use
- › Channel selection and channel 16 redial
- › Wide backlit LCD display with adjustable contrast
- › Squelch adjustment
- › Connections to external speaker
- › Connection to an external GPS (optional)
- › Dual Watch function - to monitor channel 16 while 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
- › Programmable features by software:
 - 16 programmable MMSI addressed (craft identification code)
 - 20 programmable channels for authorised professional use

Packaging and codes

Box with 1 Radio, microphone and support, external GPS cable, power cable, assembly bracket and fastening screws

code G1125 Black

code G1125.01 White



Optional Neptune 100 accessories



Midland 70-2355T code C733
External speaker weather resistant



PRG Neptune 100 cod. G1130
Programming software for Neptune 100, complete with serial cable for PC

New Neptune

Technologically advanced, professional and tough

The **New Neptune** is the ideal solution for those requiring a highly professional product, with metal cabinet, waterproof IP54 and full alphanumeric keypad on front panel.

New Neptune is controlled by a microprocessor, which guarantees advanced features and performances. It controls the nautical band tuning as well as advanced functions such as Dual Watch, Triple Watch and the channel memories.



Main features

- › **Waterproof: IPX4**
- › 56 International channels
- › DSC system - Class D - with potential to save received messages
- › ATIS system
- › Transmission power: 25W (25W/1W)
- › Numeric keypad on the front panel
- › Main controls replicated in the microphone for even more immediate use
- › Wide backlit LCD display with adjustable contrast
- › Squelch adjustment
- › Channel 16 redial button
- › Connections to external speaker
- › Connection for external GPS (optional)
- › Dual Watch function - to monitor channel 16 while 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
- › Programmable features by software:
 - 16 programmable MMSI addressed (craft identification code)
 - 20 programmable channels for authorised professional use

Packaging and codes

Box with 1 Radio, microphone and support, external GPS cable, power cable, assembly bracket and fastening screws
code G979.04 White

Optional New Neptune accessories

Dash mount kit New Neptune
code G1020.01 White



Midland 70-2355T code C733
 External speaker weather-resistant



PRG Neptune code G1005
 New Neptune software programmer complete with PC serial cable



Waterproof



DSC



ATIS



GPS



56 CHANNELS



25W Power



Hi/Low power



Agenda



Scan



Dual Watch



Tri Watch



Programmable

Technical specifications



General	Pacific	Atlantic XT
Channels	57 international	56 international
Frequency coverage TX	from 156.025 to 157.425 MHz	from 156.025 to 157.425 MHz
Frequency coverage RX	from 156.300 to 162.000 MHz	from 156.300 to 162.000 MHz
Power	Battery pack/4 batteries AA opt	4 rechargeable or alkaline batteries AA
Working temperature	from -15°C to +55°C	da -15°C a +55°C
Detachable antenna/length	Yes - SMA Connector/250 mm	No/235 mm
Dimensions (WxHxD)	62x122x35 mm	58x122x34 mm
Weight (device only)	137 g	119 g
Accessory jack	2 pin	2 pin
Programmable	Via software (PRG-PACIFIC)	-
Waterproof grade	IPX5	Splashproof
Transmitter		
Output power	5 Watt (1W/5W)	5 Watt (1W/5W)
Receiver		
Sensitivity (20dB Sinad)	0,35 µV	0,35 µV
Audio output power	500mW @ 10% THD	300mW @ 10% THD
Audio distortion	< 10%	< 10%



General	Neptune 100	New Neptune
Channels	57 international	56 international
TX Frequency range	from 156.025 to 157.425 MHz	from 156.025 to 157.425 MHz
RX Frequency range	from 156.300 to 162.025 MHz	from 156.300 to 162.025 MHz
Power	12 Vcc	12 Vcc
Working temperature	from -15°C to +55°C	from -15°C to +55°C
Dimensions (WxHxD)	177x72x146 mm	170x70x160 mm
Weight	1,2 Kg	1,305 Kg
Accessory jack	Speaker 3,5mm Mono/GPS	Speaker 3,5mm Mono/GPS
Programmable	Via software (PRG-NEPTUNE 100)	Via software (PRG-NEPTUNE)
Waterproof grade	IPX7	IPX4
Transmitter		
Output power	High (HI): 25W - Low (LO): 1W	High (HI): 25W - Low (LO): 1W
Receiver		
Sensitivity (20dB Sinad)	< 0,5µV	< 1,0µV
Output power audio	> 2W @ 8 Ohm	> 2W @ 8 Ohm
Intermediate frequencies	1°: 21.4MHz - 2°: 405KHz	1°: 21.4MHz - 2°: 405KHz

Accessories

Microphone with adjustable earphone and VOX/PTT (spiral wire)

MA 21-D - C709



MA 21-L - C709.03



Palm speaker/mike with volume knob and earphone jack

MA 26 - L - C515.01



Arm microphone with adjustable earphone and PTT/Vox

MA 30 - L - C648.03



Microphone with earphone and PTT/Vox

MA 28 - L - C559.03



Double position desktop charger

CA-ATL/G7 - C785
including two adaptors to recharge
the battery pack.
Compatible with:
Atlantic XT



Rechargeable battery packs

PB-ATL/G7 - C784
800mAh
Compatible with:
Atlantic XT and Pacific



Car charger

ALG7 - C814
Compatible with:
Atlantic XT
(not compatible with Pacific)



Wall chargers

MW904 - C689
Compatible with:
Atlantic XT

MW905 - C887
Compatible with:
Pacific



Recharge adaptor for PB ATL/G7

C827
Adaptor for the recharging of the
battery packs only
Compatible with: Atlantic XT



Waterproof case

CC ATL /G7 WP - C826
Compatible with:
Atlantic XT, Pacific



4

VHF/UHF portable transceivers



Midland CT 790

Dual band VHF/UHF multi-task transceiver

Combining the latest technology in radio communication along with a sturdy mechanical frame, **CT790** makes the ideal and effective solution for the professionals who need to stay in touch with colleagues (construction sites, buildings, hotels, trade fairs, shows) or with leisure users that just want to keep up with friends and family.

Its robust frame and ease of use mean that **CT790** is useful in any activity.

All the main functions are settable through the keypad.

CT790 displays both the used frequency bands. This is the main characteristic of this unique radio!

It is possible to choose 4 kinds of band information to display:

- › The frequency of the bands
- › The channel of the bands
- › Both frequency and channel
- › The name of the channels

Both frequencies and channels can be set through the alphanumeric keypad.

CT790 has been designed to be a multi-task working instrument.

Thanks to its several particular functions, CT790 is at the same time a Dual band UHF/VHF transceiver, chronometer, FM radio and flashlight.

Version

CT 790:

Dual band VHF/UHF

Colour

Black

Main features

- › Frequency range: 144-146 MHz & 430-440MHz (Rx / Tx).
- › Working modes: UHF-VHF, VHF-VHF o UHF-UHF
- › Output power: 5W VHF /4W UHF
- › 128 storeable channels
- › VOX function
- › Chronometer
- › 105 DCS codes and 50 CTCSS tones
- › Repeater tone 1750 Hz
- › VOICE function: Voice indication of the selected function
- › SOS Emergency function
- › Wide/narrow bandwidth selection: 25kHz/12,5 kHz
- › 3 available display modes: Channel number and channel name
- › Frequency band
- › Reverse frequency function
- › Scan function
- › Flashlight
- › FM radio receiver
- › Frequency steps: 5 kHz, 6.25 kHz, 10 kHz, 12.5 kHz, 25 kHz, 50 kHz o 100kHz
- › Output power selectable: high(4-5W) or low (1W)
- › Offset frequency setting: 0-69.950 MHz
- › Frequency shift direction setting
- › Busy channel lockout function
- › Vocal indicator of the Low battery level
- › Roger Beep tone at the beginning/end of the transmission
- › TOT function (Time out timer)

- › Keypad lock function
- › Scan of the frequencies with CTCSS/DCS tones
- › DTMF Encoder
- › Reset function
- › Operates with: Li-Ion battery pack 1300mAh
- › **Accessory jack: 2 PIN KENWOOD type**

Packaging and codes

Box with 1 radio, antenna, 1300 mAh Li-Ion battery pack, belt clip, desktop charger, hand strap

code C924

PRG 10

Programming kit suitable for CT790 complete with USB cable for PC and driver

code C974.01

PRG 10

Programming software for CT 790
complete with USB cable for PC
code C974.01



100110
010101

CTCSS/DCS



Emergency



Vox



Chronometer



Flash light



FM RADIO

FM radio



Battery level

1750Hz
TONE



Roger beep



Scan



Key Lock



Hi/Low power



Programmable
BATT.PACK



Battery type



2 Pin Kenwood

100110
010101

CTCSS/DCS



Vox



Battery level



Scrambler

1750Hz
TONE



Roger beep



Scan



Key Lock



Hi/Low power



Battery type



2 Pin Kenwood

Midland CT 210

Midland CT 410

Amateur units in VHF/UHF

CT 210 and CT 410 operate respectively on VHF and UHF bands. Thanks to their vast range of technical specifications and functions they are positioned at the top of the range of amateur units.

The display can be adjusted in three different colours to improve the reading quality in any situation; with the alphanumeric keypad you can easily set the frequency and channels and the very practical Vox function that allows you to talk hands free without having to press any keys.

Both models are equipped with a Li-Ion 1.200 mAh battery pack that guarantees 11 hours of autonomy and the rapid desk top charger that can charge the complete radio unit or just the battery pack.



Versions

CT 210: VHF

CT 410: UHF

Colour

Black

Main features

- › Frequency: CT 210 144-146 MHz (export version 136-174MHz)
- › CT 410 430-440 MHz (export version 400-470MHz)
- › Output power: CT 210 4W VHF
- › CT 410 4W UHF
- › 50 CTCSS tones and 105 DCS codes
- › Up to 128 memory channels
- › Channel spacing: 25KHz / 12.5KHz
- › Repeater tone 1750 Hz
- › Repeater shift
- › VOX function for hands-free communications
- › Scan and priority scan function
- › Scrambler
- › LCD display with backlight adjustable in 3 different colours
- › 50 CTCSS tones and 105 DCS codes
- › Time-out Timer (TOT) function
- › Busy channel function
- › Squelch adjustable in 9 different levels
- › Keypad lock
- › Hi/low power selection
- › Channels and frequencies selectable through the keypad
- › Operates with: Li-Ion battery pack
- › **Accessory jack: 2 pin Kenwood type**

Packaging and codes

Box with 1 radio, fast desktop charger, wall adaptor, Li-Ion battery pack (1.200mAh), belt clip

CT 210 (VHF) code C841.01

CT 410 (UHF) code C840.01



Technical specifications

	CT 790	CT210/CT410
Frequency	144-146MHz - 430-440MHz	CT210: 144-146MHz - CT410: 430-440MHz
Working temperature	-30°C + 60°C	-20°+50°
Output power	VHF: 5W / UHF:4W	CT210: >5W - CT410: >4W
Max frequency deviation	≤ ±5KHz	≥ 5KHz
Spurious radiation	< -60dB	Within European legal norms
Frequency stability	±2.5 ppm	±2.5PPM
RF sensibility	< 0.2µV	< 0.2µV
Dimensions (mm)	58x105x39	100x58x33
Weight	250g	203g

Accessories

Microphone with adjustable earphone and PTT/Vox

MA21-K - C843

compatible with Midland CT 200, CT 400, CT 210, CT 410, CT 790 and Kenwood



MA21-LK - C709.04

compatible with Midland CT 200, CT 400, CT 210, CT 410, CT 790 and Kenwood



Microphone with acoustic tube earphone and PTT/Vox

MA31-LK - C732.04

compatible with Midland CT 200, CT 400, CT 210, CT 410, CT 790 and Kenwood



Palm speaker/mike with PTT

MA22-K - C844

compatible with Midland CT 200, CT 400, CT 210, CT 410, CT 790, G14, G11 and Kenwood



Desktop charger

CA-CT 200/400 C849

Fast charger with wall adaptor compatible with Midland CT 200, CT 400, CT 210, CT 410



Car adaptor for desk top charger

AL-DTC - C981

Compatible with: Midland CT210, CT410, CT790



Rechargeable battery pack

PB200/400 - C846

7,4Vcc Li-Ion 1200mA battery pack compatible with Midland CT 200, CT 400, CT 210, CT 410, G14



PB CT 790 - C931

1700mAh Li-Ion battery pack compatible with Midland CT 790

Leather case

CS 200/400 - C845

Leather case for Midland CT 200, CT 400, CT 210, CT 410



CT200/400 CT210/410 antennas

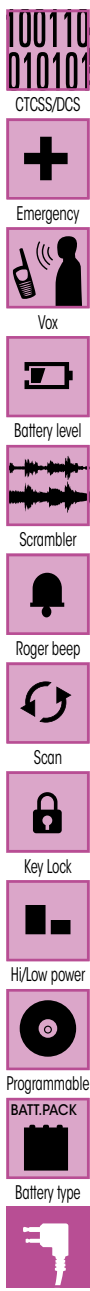
ANT200 - C847

ANT400 - C848

ANT210 - C847.01

ANT410 - C848.01





Alan HP06/HP70

Professional performance, practical and versatile without compromises in security and customization

Main features

- › **IP54 protection - MIL STD810 CDEF**
- › **16 channels**
- › Standard CTCSS tones and digital DCS
- › 5 tone selective format, 5+2, 5+5 personal
- › Option board for Dead man/Lone worker function The radio activates a special emergency procedure if the user does not answer to the warning signal (programmable via software)
- › Inbuilt inversion scrambler
- › Channel/priority channel scanning
- › "Transpond" function
- › Adjustable power: 5W (VHF version) programmable high/low; 4W (UHF version) programmable high/low.
- › Autonomy > 8 hours (with high capacity battery)
- › Inbuilt Vox adjustable on 2 levels for hands-free conversation
- › Internal connector for optional boards such as special filters, digital scramblers, dead man/lone worker
- › Flash memory Eeprom guarantees maximum flexibility and future expandability thanks to software and Firmware personalization
- › **2 pin jack for accessories**

Packaging and codes

1 radio, antenna (only HP06), belt clip
code G932.04 HP106 - VHF 146-174MHz
code G933.04 HP406 - UHF 440-470MHz
code G1043.02 HP70L - low band 66-77MHz
code G1043.03 HP70H - high band 77-88MHz

Accessories (not included)

BP0513 - code G811.02 Battery pack 1300mAh NiMH
BP0518 - code G811.03 Battery pack 1800mAh NiMH
RC05 - code C663.02 Quick desk charger
HA 68H - code G970 Antenna 77-88MHz
HA 68L - code G1049 Antenna 66-77MHz



For technical information:
lmr.com@cte.it

Alan HP08

Quality and professional performance at a competitive price

Main features

- › **IP54 protection**
- › **180 channels**
- › Channel groups
- › Customizable welcome message
- › Backlit LCD display with service icons
- › Backlit keypad
- › Standard customizable CTCSS tones and DCS digital codes
- › Selective call 5 tones, 5+5 standard
- › Signal strength indicator
- › Built-in inversion scrambler with 8 different selectable codes
- › Comander (voice compression)
- › "Transpond" function
- › Adjustable power: 5W max programmable high/low/medium

- › Battery life up to 12 hours
- › Inbuilt VOX adjustable on 8 sensitivity levels and 4 delay levels
- › **2 pin jack for accessories**

Packaging and codes

1 radio, rapid desk top charger, rechargeable Li-Ion 1600 mA/h battery, antenna, belt clip
code G1176 HP108 - VHF 136-174MHz
code G1177 HP408L - UHF 400-470MHz
code G1177.01 HP408H - UHF 465-520MHz



Alan HM35/70

For advanced communication systems

Main features

- › MIL STD 810 C D,E, F e IP54 (only front panel)
- › Over 250 channels with programmable settings
- › CTCSS/DCS
- › 4 - 25W output power
- › Selectable channel spacing 12,5/20/25 KHz
- › Large graphic LCD display
- › 4 assignable function keys + menu + up/down buttons
- › Address Book
- › Free format selcall
- › Scrambler
- › Kill/revive
- › Detachable front panel
- › Front panel loudspeaker 4W
- › Scan & Priority scan
- › Talk around
- › Public Address capability
- › Flash memory
- › PC programmable
- › Data transmission (compliant to ETS300-113)
- › **DB25 standard accessories connector**



Packaging and codes

1 radio, supply cable and fixing bracket
code G934 HM135 VHF 136-174MHz
code G935 HM435 UHF 403-470MHz
code G1101 HM70 66-88MHz

Accessories

(not included)

MK06/35 - G1004 standard fist mike
MK06/35K - G1003.01 keypad mike

Alan HM06

Professional performances at competitive prices



Main features

- › MIL STD 810 C D,E, F e IP54 (only front panel)
- › 99 channels
- › CTCSS/DCS
- › 4 - 25W output power
- › Selectable channel spacing
- › 2 digit display
- › 4 assignable function keys
- › Personal selcall
- › Frontal, 4W Loudspeaker
- › Scan & Priority scan
- › Talk around
- › Public Address Function
- › Flash memory
- › Programmable via PC

Packaging and codes

1 radio, standard mike, supply cable and fixing support
code G997 HM106 VHF 136-174MHz

100110
010101

CTCSS/DCS



Emergency



Scrambler



Scan



Hi/Low power



Programmable

100110
010101

CTCSS/DCS



Emergency



Scrambler



Scan



Hi/Low power



Programmable

Alan RPT 35S Quick Setup

Wide band repeater/base station

The new **RPT 35S** is designed to give a quick and easy coverage solution to those organizations requiring repeaters for extensive coverage at excellent quality price ratio.

RPT 35S is supplied with built in power supply and 6 cells duplexer being self contained in 19" 3U rack RPT 35S is also equipped with a standard DB25 allowing the connection to many auxiliary accessories.

- › Programmable Power Output From 4-25W to suit various operational scenarios
- › Power supply/battery charger 220 VAC 13,8 V DC (battery not included)
- › 32 channels (8 switchable)
- › Multi signalling CTCSS Enc-dec, DCS
- › Diagnostic through automatic Alert Battery low/very low (programmable), no mains (progr)
- › Auto switching off The switching off is automatic when battery level is low
- › Removable front panel for quick setup
- › Kill/revive (through selective remote control)
- › Equipped with 6 cell duplexer



Packaging and codes

1 repeater, supply cable and cable for duplexer connection

code G1134 RPT 135S VHF 135-174MHz

(duplexer H band 152-175MHz)

code G1134.01 RPT 135S VHF 138-156MHz

(duplexer L band 138-156MHz)

code G1135 RPT435S UHF 405-470MHz

For technical information:
lmr.com@cte.it

Accessories

Chargers

RC05 - C663.02

Rapid desk top charger - black
Compatible with: HP06



RC05

RC-08

RC08 - G1191

Rapid desk top charger
Compatible with: HP08

Batteries for Alan HP06

BP0513 - G811.02

1300 mAh NiMh

BP0518 - G811.03

1800 mAh NiMh

BP08 - G81192

1600 mAh Lithium



Car adaptor for desk top charger

AL-DTC - C981

Compatible with:
Alan RC08, RC05



NEW

Palm microphones

MK06/35 - G1004

Standard fist mike
Compatible with:
all Alan HM models



MK06/35

MK06/35-K

MK06/35-K - G1003.01

Keypad mike
Compatible with:
Alan HM35/70

Loudspeaker

AU25 - T681

External loudspeaker 5W max
Compatible with:
Alan HM35/70/06



Remote control

G1016

Kit for remote control including extension cable 5mts with connectors, brackets and screws.
Compatible with: Alan HM35/70



5

Antennas



X-Turbo car/truck CB antennas



X-Turbo Camper 27
code C863



X-Turbo Mini
code C864



X-Turbo 60
code C871



X-Turbo 80
code C872



X-Turbo Mini Mag
code C865

	X-Turbo Camper 27	X-Turbo Mini	X-Turbo 60	X-Turbo 80	X-Turbo Mini Mag
Operating frequency (MHz)	26-28	26-28	26-28	26-28	26-28
Number of channels	120	60	200	200	60
Maximum applicable power (W)	50	10	800 (max 1500)	1000 (max 1700)	10
Min SWR in centre band	< 1.2	< 1.4	< 1.2	< 1.2	< 1.4
Length (cm)	114	31	160	180	31
Impedance (Ohm)	50	50	50	50	50
Weight (g)	430	260	670	690	
Whip material	Fiberglass	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Connector type	PL 259	-	3 pieces	3 pieces	
Hole diameter (mm)	16	10	10	10	-
Cable (m)	-	4	4	4	4,5 con PL 259

Car/truck CB antennas

Alan PC 4
code T739
Alan PC 6
code T736
Alan PC 8
code T701



Alan S9 Plus
code T638



Funk 90
code T638.04
Funk 130
code T638.05
Funk 150
code T638.06



Picco 70C
code T638.12



Picco 70S
code T638.13



ML 145
code T562.01



	Alan PC 4/6/8	Alan S9 Plus	Funk 90/130/150	Picco 70C	Picco 70S	ML 145
Operating frequency (MHz)	25-30	25-30	26-28	26-28	26-28	26-28
Number of channels	150/240/130	200	-	-	-	90
Maximum applicable power (W)	400/600/800	300	200/250/300	100	100	400
Min SWR in centre band	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Length (cm)	115/160/163	155	90/130/150	70	70	146
Impedance (Ohm)	50	50	50	50	50	50
Weight (g)	450	390	160/190/200	180	180	350
Whip material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	S.S. black	Stainless steel
Connector type	3 pieces	DV	DV	DV	DV	PL
Hole diameter (mm)	10	12,5	10	10	10	16
Cable (m)	4	4	-/4/4	4	4	-

Car/truck CB antennas

	Mini	Supermini
Frequency (MHz)	26÷28	26÷28
Number of channels	40	40
Maximum applicable power (W)	80	30
Min SWR in centre band	1.2:1	1.2:1
Length (mm)	680	330
Impedance (Ohm)	50	50
Weight (g)	210	130
Whip material	Stainless steel Inox	Fibre
Connector type	3 pieces	3 pieces
Hole diameter (mm)	12,5	10
Cable (m)	4 with PL259	4 with PL259



Mini
code C593



Supermini
code C592

CB magnetic antennas

KIT 007
ML145 + BM 120 PL

High power antenna complete with Ø 120 mm magnetic base



Midland 18-244M
code T788

Small antenna complete with cable and connector



Ministar 27
code C813

Only 35 cm long



	KIT 007	Midland 18-244M	Ministar 27
Operating frequency (MHz)	26-28	26.965-27.405	26-28
Number of channels	90	40	40
Maximum applicable power (W)	400 pep	100	10
Min SWR in centre band	< 1.2	1:1,2	1:1,2
Length (cm)	146	66	35
Impedance (Ohm)	50	50	50
Weight (Kg)	1,6	0,5	0,3
Whip material	Stainless steel	Stainless steel	Stainless steel
Mount	Magnetic base 120mm with PL	Magnetic base Ø 90 mm	Magnetic base Ø 29 mm
Cable (m)	2,9	2,75	3

CB/VHF marine antennas

CB

Azzurra 40
code T454

Suitable for fibre
glass camper



VHF

Shark 3
code F483



VHF

Shark 4
code F484



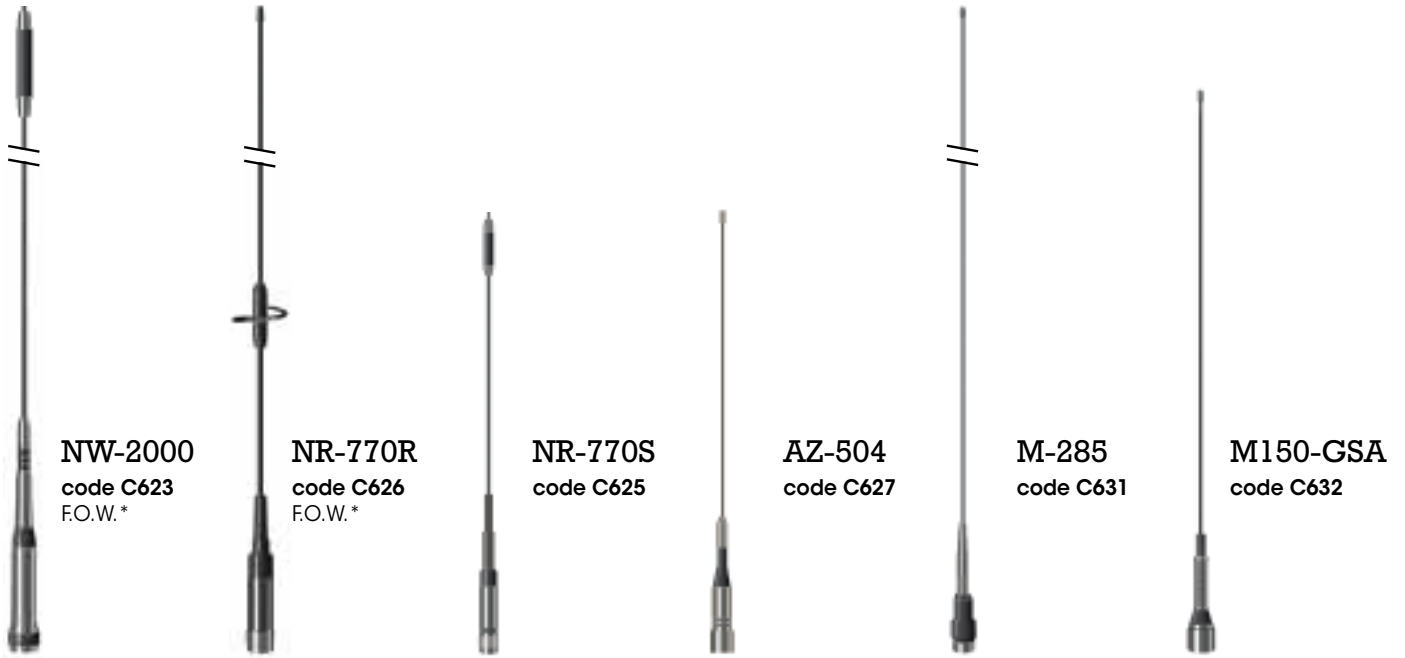
Shark 4 is equipped with a removable whip to permit total craft coverage during dry docking and pivot for easy adjustment in any position. Die cast body and fibre whip.

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.

	Azzurra 40	Shark 3	Shark 4
Operating frequency (MHz)	27	156÷162	156÷162
Number of channels	40	600	600
Maximum applicable power (W)	50	100	100
Min SWR in centre band	1:1,1	1,1÷ 1,5	1,1÷ 1,5
Length (cm)	160	140	140
Impedance (Ohm)	50	50	50
Weight (g)	1000	1000	1000
Whip material	Fibre	Fibre	Fibre
Connector type	w/o PL	SO 239	w/o PL
Cable (m)	4	-	4



VHF-UHF car/truck antennas



	NW-2000	NR-770R	NR-770S	AZ-504	M-285	M150-GSA
Frequency	144/430 MHz	144/430 MHz	144/430 MHz	144/430 MHz	138-174 MHz	138-174 MHz
type	1/2λ(144 MHz) 2x5/8λ(430 MHz) 200 W	1/2λ(144 MHz) 2x5/8λ(430 MHz) 200 W	1/4λ(144 MHz) 1/2λ(430 MHz) 100 W	1/4λ(144 MHz) 1/2λ(430 MHz) 50 W	5/8λ200 W	1/4λ200 W
Length (cm)	98	98	43	46	100	51
Connector type	PL	PL	PL	PL	PL	PL

F.O.W.: Foldable structure

The foldable whip guarantees extreme antenna mobility in any direction letting you easily park in your garage without having to remove the antenna. Safety lock for safe driving.

VH 1
code F092



VH 2
code F093



	VH 1	VH 2
Operating frequency	140:175MHz	140:175MHz
Max applicable power	100W	100W
Min SWR in centre band	1:1,2	1:1,2
Length (cm)	51	134
Impedance	50 Ohm	50 Ohm
Weight	300 g	450 g
Whip material	Stainless steel	Fibre
Connector type	PL259 (not supplied)	PL259 (not supplied)
Hole diameter	12 mm	
Cable	4m	4 m

VHF-UHF portable antennas

RH-707 Flex
code C635
Flex-Tilt



RH-701
code C634
Flex



RH-771
code C637
Flex



RH-775
code C638
Telescopic



RH-777
code C639
Flex-Tilt



RH-779
code C640
Telescopic-Tilt



	RH-707 FLEX	RH-701	RH-771	RH-775	RH-777	RH-779
Frequency	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430 MHz
Type	1/4λ	1/4λ	1/4λ(144MHz) 1/2λ(430MHz)	1/4λ (144 MHz) 1/2λ (430 MHz)	1/4λ	1/4λ - (144 MHz) 1/2λ - (430 MHz)
Band	120-150/300-450 MHz 800-900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX
Length (cm)	21	21	40	14-41	40	14-41
Connector type	BNC	BNC	BNC	BNC	BNC	BNC

RH-519
code C641
Super Flex



RH-536
code C644
Super Flex



CH-32
code C642



SRH-536
code C646
Super Flex - SMA



SRH-701
code C645
Super Flex-SMA



	RH-519	RH-536	CH-32	SRH-536	SRH-701
Frequency	TX: 144/430 MHz	TX: 144/430 MHz	TX: 144/430/900MHz	TX: 144/430 MHz	TX: 144/430 MHz
Type	1/4λ- 2m/70cm	1/4λ- (144 MHz) 1/2λ- (430 MHz)	1/4λ- (144/430/900 MHz)	1/4λ - (144 MHz) 1/2λ- (430 MHz)	1/4λ
Band	120-150/300-450 MHz 800-900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX		300/800 MHz 900 MHz only in RX	120-150/300-450 MHz 800-900 MHz only in RX
Length (cm)	20	36	4.5	37	21
Connector type	BNC	BNC	BNC	SMA	SMA

Accessories

Gutter mount

GR PLUS - T786

Designed to install any mobile antenna on the gutter without drilling holes in the car body.



Gutter mount

GR-F INOX - T751

Stainless steel for car antennas, with fastening hole reducer.



Gutter mount

GR-S INOX - T753

Stainless steel with dual tilt for car antennas, with fastening hole reducer.



Gutter mount

Gronda 27 - T054

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.



Gutter mount

SP-S INOX - T752

Stainless steel for car antennas, with adjustable tilt and fastening hole reducer.



Mirror mount

SP 21 - T390

Designed to install any mobile antenna on the rear view mirror, avoiding drilling holes on the car body.



DV/SO239 centre-roof adapter

DV 27 PL - T599



3 pieces cable

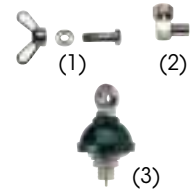
T633

Complete spare cable for PC series antennas and centre-roof mount
Cable type: RG58
Length: 4m



Specific screw, connector for FC 27 and Midland antenna base

SC 27 - T441 Specific screw (1)
LC 27 - T370 Connector (2)
FC 27 - T478 Antenna base (3)



Artificial grounding surface

PMA-2 - C716.02

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

Frequency: CB band - channels: 40
Length: 8m - antenna connector:
3 pc type - cable: RG 58

Note: the PL 259/R transmitter side connector is supplied but not fixed to the cable

Centre-roof mount for US antennas

T301 - Centrotetto

Cable type: RG58
Length: 3,5 m



RG58 cable connector

PL 259/R - T292.02
6mm connector (reduced)
PL 259/RL code T377



SO239 to RCA adaptor

SA 95 - T211



RG8 - RG213 cable and BNC/SO239 connectors

PL 259 - T205
for RG8 and RG213



UG 255 - F076
for BNC/SO239



CB radio connection cable

R 45/58-U - T194
Cable type: RG58
Length: 45 cm



R 90/58-U - T193
Cable type: RG58
Length: 90 cm



Coaxial cables

RG 58/U - T199



RG 58/I - T199.03



RG 58/U White - T200



RG 58/AUX - T197
Impedance: 50 Ohm
Package: 100 m



RG 58/H - G326
Low loss coaxial cable
Impedance: 50 Ohm
Package: 100 m



RG 213 - T571
Impedance: 50 Ohm
Package: 100 m



RG 213 U - T571.01



Magnetic bases



BM 120 DV - T 057
BM 140 DV-B - T 063.01
Designed to resist high speeds. Equipped with scratch proof magnet cover cap. Supplied with pre-assembled universal DV 27 base.



BM 120 PL - T036
BM 140 PL-B - T052.01
Designed to resist high speeds. Equipped with scratch proof magnet cover cap. Supplied with assembled PL mount.



BMU 120 - C888
BMU 140 - C889
Adaptor for PL, DV and centre-roof mounting. Designed to resist high speeds. Equipped with scratch proof magnet cover cap.

	BM 120 DV	BM 140 DV-B	BM 120 PL	BM 140 PL-B	BMU 120	BMU 140
Frequency range	26-30 MHz	26-30 MHz	26-460 MHz	26-460 MHz	26-460 MHz	26-460 MHz
Max speed	80/130 Km/h	130/180 Km/h	80/130 Km/h	130/180 Km/h	80/130 Km/h	130/180 Km/h
Base diameter Ø	Ø: 120 mm	140 mm	120 mm	140 mm	120 mm	140 mm
Weight	750 gr	1.400 gr	700 gr	1.450 gr	700 gr	1.450 gr
Cable	3m	3m	3m	3m	-	-

CB Base antennas



Energy New 1/2
T241.02



Energy New 5/8
T242.02

WITH WATER INFILTRATION PROTECTION SYSTEM

Energy New 1/2 and Energy New 5/8 are telescopic base antennas, 1/2-5/8 lambda ground plane, operating on 27MHz, made of rust-proof aluminium.

All elements are telescopic and facilitate installation.



Skylab
T233

The base is a single aluminium block that provides maximum mechanical strength and optimum sealing of joints. The antenna requires no adjustment, since it is preset in the factory. This frame anchors the three radials to the supporting pole and prevents them from whistling when the wind is blowing. The **Skylab** can be mounted directly on the base and will accept support poles with 30-35 mm diameter.

VHF/UHF Base antennas



X30
C614

X50
C615



F-22A
C619

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

	Energy New 1/2	Energy New 5/8	Skylab	X30	X50	F22
Operating frequency (MHz)	25-29	25-29	26-28	144-430	144-430	144 MHz
Max applicable power	500 W PEP	500 W PEP	1000 W	150 W	200 W	200 W
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Min SWR in centre band	1.2:1	1.2:1	1.5-1	1.5-1	1.5-1	1.5-1
Length	5750 mm	6500 mm	5500 mm	1300 mm	1700 mm	3200 mm
Weight	2,1 Kg	2,5 Kg	2,3 Kg	0,8 Kg	0,9 Kg	1,3 Kg
Ø support pole	30-40 mm	30-40 mm	30-35 mm			
Connector	SO 239	SO 239	SO239	SO239	SO239	SO239
Whip material	Aluminium	Aluminium	Aluminium	Fibreglass	Fibreglass	Fibreglass

6

Communicating while riding



Midland BT Next

Multi Rider Intercom System



Intercom up to 1,6 kms



Multi rider Intercom (up to 4 persons)

New Intercom Bluetooth system for conversation between up to 4 persons on motorbikes

Technical specifications

General

- › Pilot and passenger intercom, bike to bike up to four persons with max distance of 1.6kms
- › Bluetooth version 2.0 stereo with DSP (Digital Signal Processing)
- › FM radio with RDS, memory for 6 stations
- › AGC technology to automatically adjust volume when noise and speed change
- › VOX for hands free activation of the Intercom and phone call answer
- › Vocal messages informing state of unit and battery charge level
- › Manual Control button: single button to activate phone, interphone and wired connections
- › Foldable antenna incorporated
- › Compact, extremely thin and aerodynamic
- › Audio kit composed of: 2 thin stereo speakers and 2 interchangeable microphones, wired and with flexible arm
- › Compatible and easily installed on all types of helmets; equipped with mounting kit composed of bracket clamp and bi-adhesive clamp
- › Programmable through USB fir quick updates from the Web and system configuration
- › Polymer lithium battery for up to 10 hours of conversation

Bluetooth connections

- › To mobile phones, to GPS navigation systems (Garmin Zumo and TomTom Rider 1 and 2) and MP3 players with A2DP protocol and Bluetooth incorporated
- › To PMR446 transceivers (with built-in or external Bluetooth connection) for communications between groups of bikers

Wired connections

- › Wired connection for stereo music player (iPOD/MP3 player)
- › Wired connections for PMR446 transceivers and bike to bike group communications (the connection cable is available as option)

Packaging and codes

Box with 1 Midland BT Next Intercom device, audio kit with stereo headset, wired and rigid bracket mikes (for open and closed faced helmets), stereo cable for iPOD/MP3 player, fixing mount kit (with bi-adhesive and screw-type clamp) wall charger.

Midland BT Next Intercom - code C969

dual pack with 2 devices

Midland BT Next Intercom Twin - code C969.01

Midland BT Next is compatible with all Intercom devices of the Midland BT Line



1.6 km
Intercom



Multi Rider
Intercom



USB Firmware
update



FM Radio



Waterproof



Stereo



Jet



Open Face



Full Face



Helmet



GSM



GPS



iPod/MP3



PMR446

Midland BT2 Intercom

Multimedia wireless system



The multimedia system for the most demanding riders

Technical specifications

General

- › Pilot and passenger intercom, bike to bike up to two persons with max distance of 200m
- › Bluetooth version 2.0 stereo (Headset/Hands-free/A2DP protocol)
- › VOX for hands free activation of the Intercom and phone call answer
- › AGC technology to automatically adjust volume when noise and speed change
- › Control buttons: Intercom, Phone, AUX (wired device)
- › Up to 8 hours of conversation
- › Audio kit composed of: 2 thin stereo speakers and 2 interchangeable microphones, wired and with flexible arm
- › Compatible and easily installed on all types of helmets; equipped with mounting kit composed of bracket clamp and bi-adhesive clamp
- › Polymer lithium battery for up to 8 hours of conversation

Bluetooth connections:

- › With a similar device for Intercom Pilot-Pillion or for bike to bike mode up to 200m
- › With mobile phones, GPS (Garmin Zumo and TomTom Rider 1 and 2), MP3 player Stereo (A2DP protocol A2DP)
- › With PMR446 transceivers (with integrated or external Bluetooth) for bike group to group conversations

Wired connections

- › For stereo music player (iPOD/MP3 player)
- › For PMR446 transceivers and bike to bike group communications (the connection cable is available as option)

Packaging and codes

Box with 1 Midland BT2 Intercom device, audio kit with stereo headset, wired and rigid bracket mikes (for open and closed faced helmets), stereo cable for iPOD/MP3 player, fixing mount kit (with bi-adhesive and screw-type clamp) wall charger.

Midland BT2 Intercom - code C876

dual pack with 2 devices

Midland BT2 Intercom TWIN - code C876.01

Midland BT2 is compatible with all Intercom devices of the Midland BT Line



Midland BT1 Intercom

Multimedia wireless system



Intercom



Waterproof



Stereo



Jet



Open Face



Full Face



Helmet



GSM



GPS



iPod/MP3



PMR446



Basic communication and entertainment system driver & pillion
New! mobile phone connection for passenger too!

Technical specifications

General

Pilot-passenger intercom

- › Bluetooth version 2.0 stereo (Headset/Hands-free/A2DP protocol)
- › VOX for hands free activation of the Intercom and phone call answer
- › AGC technology to automatically adjust volume when noise and speed change
- › Control buttons: Intercom, Phone, AUX (wired device)
- › Audio kit composed of 2 thin stereo loudspeakers and 2 interchangeable microphones wired and with flexible arm
- › Compatible with and easily installed on all types of helmets: equipped with mounting kit composed of both bracket clamp and bi-adhesive clamp
- › Polymer lithium battery gives up to 8 hours of conversation

Bluetooth driver connections

- › Bluetooth connection with the pillion device for Intercom communications
- › Bluetooth connection for mobile phones and for GPS (Garmin Zumo and TomTom Rider 1 and 2)

Wired driver & pillion connections

- › Wired connection for MP3 stereo player and iPod
- › Wired connection for PMR446 transceivers and Bike to Bike group communications (the connection cable is available as option)

Packaging and codes

2 Midland BT1 intercom devices, 2 audio kits with wired or flexible arm microphone, 2 stereo headsets, 2 connection stereo cables for iPod/MP3 player, double wall adaptor and 2 fixing kits: (1 with biadhesive strip and 1 with a screw-type connector).

Midland BT1 Intercom - code C903

Midland BT1 is compatible with all Intercom devices of the Midland BT Line

Midland BT City&Eva

Multimedia wireless system



Made with CRYSTALLIZED™
Swarovski Elements



Small practical and elegant
Bluetooth headset devices, Intercom, phone call receiver

Technical specifications

General

- › **Pilot and passenger intercom, bike to bike up with max distance of 200m**
- › Standard Bluetooth connections for mobile phones, stereo MP3 players, GPS navigation systems
- › Bluetooth technology version 2.0 stereo with DSP (Digital Signalling Processing)
- › AGC technology to automatically adjust volume when noise and speed change
- › VOX for hands free activation of the Intercom and phone call answer
- › Manual Control: single button to activate phone, Intercom, wired devices
- › Audio kit composed of: 2 thin stereo speakers and 2 interchangeable microphones, wired and with flexible arm
- › Compatible and easily installed on all types of helmets; equipped with mounting kit composed of bracket clamp and bi-adhesive clamp
- › Polymer lithium battery for up to 8 hours of conversation

Bluetooth connections:

- › With a similar device for Intercom Pilot-Pillion or for bike to bike mode up to 200m
- › With mobile phones, GPS (Garmin Zumo and TomTom Rider 1 and 2), MP3 player Stereo (A2DP protocol A2DP)
- › With PMR446 transceivers (with integrated or external Bluetooth) for bike group to group conversations

Wired connections

- › For stereo music player (iPOD/MP3 player)
- › For PMR446 transceivers and bike to bike group communications (the connection cable is available as option)

Packaging and codes

BT device, 2 microphones (with boom and wired mikes), stereo headset, connection stereo cable for iPod/MP3 player, wall charger, 2 fixing kits (plate with bi-adhesive strip and screw type clamp).

Midland BT City code C929

Midland BT Eva code C930

Midland BT City TWIN dual pack with 2 devices code C929.01

Midland BT City&Eva TWIN dual pack with 1 BT City and 1 BT Eva device

cod C930.01

Midland BT City&Eva are compatible with all Intercom devices in the Midland BT Line



Optional Accessory

From the road to the ski run

BT Ski Audio Kit code C932

Audio kit with ear warmer with microphone, Hi-Fi stereo headset and velcro strap to fix your device to a ski helmet.
This mounting kit allows you to use your BT City or BT Eva with ski helmets.



Intercom



Bike to Bike



Waterproof



Stereo



Jet



Open Face



Full Face



GSM



GPS














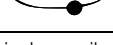



iPod/MP3



PMR446

Midland BT Line

Connections		BT Next	BT2	BT1	BT City&Eva
Intercom		up to 1,6 km, up to 4 persons	up to 200 m, up to 2 persons	up to 10 m (pilot-pillion)	up to 200 m, up to 2 persons
Integrated FM Radio		●			
 Bluetooth connectable devices	GSM 	●	●	●	●
	GPS 	●	●	●	●
	MP3 	●	●	●	●
	PMR446 * 	●	●	●	●
		2 connections		1 connection	
 Wired connections	iPod /MP3 	●	●	●	●
	PMR446 	●	●	●	●
Helmet compatibility	Jet 	●	●	●	●
	Open face 	●	●	●	●
	Full face 	●	●	●	●
Mounting system	with screw-type clamp 	●	●	●	●
	with bi-adhesive 	●	●	●	●
microphone	flexible arm mike 	●	●	●	●
	wired arm mike 	●	●	●	●

* PMR446 with built-in Bluetooth or with Bluetooth adapter BPA200

Wired Intercom system

AE600 (Basic) and AE600S (Advanced)

The full duplex feature guarantees **bi-directional communication between rider and pillion**, while the **electronic noise canceling system**, ensures noise-free conversations even when traveling at high speeds.

Main features

- › Full-duplex intercom Rider to Pillion feature
- › Auxiliary socket for GPS navigator or MP3 player (AE600)
- › Built-in FM radio receiver (AE600S)
- › 4 auxiliary sockets for: GPS navigator, MP3 player, mobile phone, PMR446 transceiver and PTT button.
- › The audio inputs of the devices are managed automatically depending on priority: for example the volume of the FM radio or of the connected MP3 player are automatically reduced when Rider and Pillion are talking (AE600S)
- › Powered by 3 AAA batteries
- › Powered direct 12V for recharge (AE600S)

Compatible with:

- › **Microphones/speakers:** OHS500, OHS550, CHS300

Packaging and codes

Box with 1 Intercom **AE600**, two headsets with boom mike for Rider and Pillion.

code C874.01

Box with 1 Intercom **AE600S**, two headsets with boom mike for Driver and Passenger, adaptor cable for 2 way radios and wired waterproof PTT button.

code C875.01



Midland BT Sport

Bluetooth throat microphone headset



Midland BT Sport is a Bluetooth throat microphone/earphone which guarantees clear communications even in harsh conditions. The **BT Sport** is particularly useful in leisure or sport activities such as climbing, bike or motorcycle rides. With the **BT Sport** you can take incoming calls on your mobile phone or you can establish a Bluetooth connection with transceivers incorporating a built-in Bluetooth feature. (Such as the Midland 445BT or with any other transceiver connected to the Bluetooth adaptor BPA 200.)

You can wear it very easily around your neck and choose between two sizes - medium and large - for a better fit.

Technical specifications

- › Throat Bluetooth microphone with Noise Cancelling Technology
- › Bluetooth ver. 1.2, Headset and Hands-free profile
- › Battery life: up to 7 hours conversation
- › Dimensions: Medium 35 ÷ 45 cm, Large > 45 cm

Packaging and codes

1 throat Bluetooth microphone (large or medium), wall charger

Large size code C850

Medium size code C850.01





Intercom



Full Face

Helmet



PTT



PMR446



2 pin

MA 46

Motorcycle Rider Kit



The **MA46** can be connected to any radio transceiver with two pin accessory plug, to talk to any other motorbike with the same equipment. It is **equipped with a waterproof PTT button**, that can be applied to the handlebar using the supplied Velcro strap, thus enabling you to manually start radio transmission.

For Rider to Pillion Intercom: you can use a transceiver equipped with an extra "Intercom" plug (like Midland G8) in order to have a full duplex conversation. To connect the Pillion to the radio with the **MA46**, use the BHS303 cable with any type of optional microphone/earphone: CHS300, OHS500, OHS550.

Rider and pillion communication is always open in Full Duplex. Bike to Bike communication goes on by pressing the PTT button.

Compatible with

- › All Alan or Midland transceivers with 2 Pin jack (except for Midland G12, Alan 42)

Not compatible with

- › CHS300, OHS550, OHS500, BHS300, BHS301, BHS303

Packaging and codes

Speaker microphone kit
code C660

BPA 100 G-K and BPA 200

Bluetooth® adaptors for transceivers

BPA 100 G-K and **BPA 200** are two external devices that when connected to a transceiver add the Bluetooth function allowing the use of wireless accessories compatible with Bluetooth standard (such as headsets for GSM, Bluetooth intercom like BT2, BT City etc).

BPA 100 G-K is compatible with:

- › transceivers with mike/headphone 2-pin jack Kenwood type (such as Midland G11, G14, CT210/410, CT 790)



BPA 100 G-K



BPA 200

BPA200 is compatible with:

- › All the Alan or Midland units with 1 pin, 2 pin jack
- › Midland BT2 Intercom, BT1, BT Single, BT City & Eva

Technical Specifications

- › Bluetooth Standard 2.0 (mono)
- › Max distance: about 10m
- › Rechargeable lithium battery 360 mAh
- › Battery life in conversation: about 10 hours
- › Battery life on stand-by: about 1 week
- › Type of connector:
BPA100 G: 2 pin Kenwood standard
BPA200: 2 pin
- › Length of cable: 1,5m (not extended)

Packaging and codes

BPA 100 G-K

Wall charger 230V, 2 pin adaptor **cod. C804.02**

BPA 200

Wall charger 230V, 2 pin adaptor **cod. C900**

Accessories

Audio kit stereo standard

BT Next Audio kit - C1008
complete with speaker and
2 microphones
(wired and with boom)



Double mounting kit for helmet

BT Next Mounting kit - C1009
Fixing kit with bi-adhesive and screw
type clamp



Stereo Audio kit (standard)

BT City&Eva Audio kit - C938
Audio kit with stereo headset,
boom and wired microphone



Mounting kit

BT City&Eva Mounting kit - C937
Fixing mount kit with bi-adhesive
and screw-type clamp



Mounting kit - C898

Fixing kit with bi-adhesive and
screw-type clamp.
Compatible with BT2, BT1, BT Single



Stereo headset (Earwarmer type)

BT Ski Audio Kit - C932
Audio kit with ear warmer, two
stereo speakers and 1 microphone
with boom and velcro strap to fix
your device to a ski helmet.
This mounting kit allows you to
use your BT City or BT Eva with ski
helmets



Audio kit stereo standard

BT2 Audio kit - C893
Audio kit with stereo headset,
boom and wired microphone.
Compatible with BT2, BT1, BT Single



Sistema di fissaggio biadesivo al casco

**BT City&Eva external mike clamp
C978**
with boom microphone
Compatible with BT City&Eva



Hi-Fi stereo speakers

Hi-Fi Speaker - C895
Hi-Fi Stereo speakers for better audio
quality.
Compatible with BT2, BT1, BT Single



Cigarette lighter 12V

AI 12V - C894
Cigarettes lighter 12V, power supply
cable with mini USB
**Compatible with BT City&Eva,
BT Ski, BT2, BT1, BT Single**



Charger

Emergency Charger - C920
In case of emergency and flat
battery Emergency Charger allows
to recharge the several models of
the BT line, to recharge the devices
with MiniUSB jack and many models
of cell phones with adapter cables



Kit for 2 pin radio connection

Kit 128

Kit for 2 PIN radio connection with PTT (suitable for Midland G6, Midland G7 XT, Midland G8, Midland G9).

It includes: BT312+BHS300

Compatible with BT City&Eva, BT Ski, BT2, BT1, BT Single



Kit audio Scala Rider Cardo

Clamp BT XL Dual Fix - C836.01
Dual fix extra long helmet clamp with mic/double speaker and bi-adhesive (20 cm)

Compatible with BT Intercom, BT Rider, BT Rider FM



Kit for 1 pin radio connection

Kit 129

Kit for 1 PIN radio connection with PTT (suitable for Midland 777, Midland G5).

It includes: BT312+BHS301

Compatible with BT City&Eva, BT Ski, BT2, BT1, BT Single



Adapter cable

BT 312 - C905

Adapter cable to connect transceivers.

This cable needs to be combined with BHS300 or BHS301 cables



Intercom speaker/mike solutions

CHS300 - code C802

Microphone/speaker for full helmet



OHS550 - code C801

Microphone/speaker with internal arm



OHS500 - code C800

Microphone/speaker with external arm



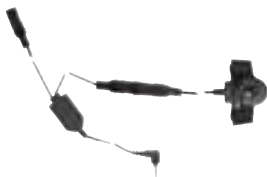
BHS300 - code C797

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



EXT300 - code C853

Extension cable 2 mt



SHS300 - code C852

Stereo headset for full and jet helmet with 3,5 mm to 2,5 mm plug adaptor



How to pick the right cable:

- first pick the type of Microphone/earphone suited to your helmet (OHS500, OHS550, CHS300)
- then pick the cable (BHS300, BHS301) suited for your radio (1 pin or 2 pin jack)

The BHS303 adapter cable is only used to connect the passenger with radio devices that have intercom jacks like Midland G8. The cable BH303 must be paired with a speaker mike (CHS300, OHS550, OHS500).

Press PTT for bike/bike and driver/passenger communications.



7

Leisure time





Intercom



Stereo



without helmet



with helmet



GSM



iPod/MP3



PMR446

Midland BT Ski

Bluetooth® - Stereo Intercom headsets

Midland BT SKI is the smallest, most practical Bluetooth device for communication and entertainment in winter sports and recreational activities.

You can wear the Bluetooth device with a convenient ear warmer earpiece (standard version) or apply it to your ski helmet (universal helmet version).

It makes it perfectly safe to talk on the phone, converse freely with another **Midland BT SKI** user within a range of 200m in Intercom mode or enjoy **your favourite music**.

Midland BT SKI is easy to use and compatible with all latest generation mobile phones with Bluetooth!

Midland BT SKI also has a plug for wire connection with an iPod/MP3 player or a PMR446 Midland transceiver to converse with groups of several users.

Main features

- › Practical and convenient ear warmer with integrated audiokit
- › Universal connection for semirigid helmets with removable pads
- › High quality audio - **Stereo**
- › Bluetooth for mobile phone connection
- › Intercom for 2 (skier/skier) at distances of up to 200 m
- › Wire connection for iPod/MP3 Player
- › Optional wire connection for PMR446 transceivers to permit group communication
- › Lithium Batteries
- › AGC - Automatic volume control



Packaging and codes

Ear Warmer Version:

1 BT Ski device (black),
1 ear warmer audio kit complete with two stereo speakers and microphone on rigid bracket,
1 velcro strip for attaching to helmet, 1 stereo audio cable for connection with iPod or other MP3 player, 1 wall-mounting power supply with mini USB cable
BT Ski code C928.04



Universal helmet version:

1 BT Ski device (black), 1 ear warmer audio kit complete with two stereo speakers and microphone with built-in bracket, 1 velcro strip and 1 biadhesive clamp for attaching to helmet, 1 stereo audio cable for connection with iPod or other MP3 player, 1 wall-mounting power supply with mini USB cable

BT Ski code C928.03

Packaging 4 pcs BT SKI with display:

- › Ear warmer version
C928.05
- › Universal helmet version
C928.06



Optional accessory



From the slopes to the street

The optional **BT Moto Audio Kit** allows you to use your BT Ski on your motorcycle with a jet, modular or integral helmet.

BT Moto Audio Kit code C933



SubZero

Stereo Headphones - Ear Warmers

Built-in Hi-Fi stereo headphones in a convenient, warm ear warmer, to allow you to **answer your cell phone and listen to music.**

Midland SubZero Music headphones come with two wires:

- › one with a **microphone** and **Answer/Control function** for mobile phones or **Play/Pause** for music (iPod, iPhone, MP3 and the best mobile phones)
- › the other has a **microphone** and **PTT**, for connection with **Midland 2 Pin** transceivers.


Packaging and codes


1 stereo earwarmer headset, with cable with mike and push buttons for mobile phone answering and play/pause for music 3,5mm standard stereo (iPod, iPhone, MP3), cable with mike and PTT for 2 pin transceivers.

Black
Red
White
Pink
Camouflage
Yellow
Black leather version
2 Pin Kenwood radio cable for SubZero

code C936.03
code C936.04
code C936.05
code C936.06
code C936.07
code C936.08
code C936.13
code C1004



 Compatible with iPhone®, iPod® and MP3 Player

 Microphone included



Midland XTC100-XTC200 HD-XTC300 FULL HD

The ultra small Action cameras!



XTC-100



XTC-200 HD



XTC-300 FULL HD



A series of wide angle video cameras for recording and immortalising the most important, entertaining moments in your life, **perfect for athletes** who want to capture the most exciting moments in **extreme sports, on the ski slopes, on the road or on holiday.**

The Midland XTC100, XTC200 HD and XTC300 FULL HD are perfect for recording and reliving every little thing you do.

With a single command (On-Off/Record) for recording videos directly on a **removable micro SD memory card.**

All models support micro SD memory cards of up to 32GB.

Packages and codes

XTC100

1 video camera, 2GB micro SD memory card, ski mask installation kit, bicycle helmet installation kit, helmet installation kit, handlebar installation kit, 2 AAA alkaline batteries, USB cable.

Code C968

Code C968.02 MIMETIC version (Mossy Oak®)

XTC200 HD

1 HD video camera, micro SD Card reader, ski mask installation kit, bicycle helmet installation kit, helmet installation kit, handlebar installation kit, 900mAh lithium batteries, USB cable, wall charger, car charger.

Code C985

XTC 300 Full HD

1 HD video camera, micro SD Card reader, ski mask installation kit, bicycle helmet installation kit, helmet installation kit, handlebar installation kit, waterproof case, 1100mAh lithium batteries, USB cable, wall charger, car charger.

Code C994



	XTC-100	XTC-200 HD	HTC-300 FULL HD
Control		Single On-Off / REC command	
Resolution	640x480	HD:1280x720 SD: 640x480	Hi: 1920x1080 M: 1280x720 L: 848x480
Image stabiliser		Dynamic digital	
FPS frame rate	30	30/60	30/60
View		140° wide angle	
Max. memory card capacity		Micro SD 32GB	
Power supply	2 x AAA (3h)	900mAh Lithium (3h)	1100mAh Lithium (1.5-3h)
Dimensions LxDxH	85.2 x 30.3 x 42.2 mm		95x30,3x50
Weight	93 g		110 g
Internal memory	25'	20' HD / 30' SD	None
Recording time (2 GB)	30'	26' HD/38' SD	30' Hi/26' M/40' L
Video formats	AVI	MP4	
Compatibility with operating systems	Win XP, SP2, Vista & 7, Mac OSX x 10.4+		

Mountings and brackets supplied:



Ski mask mounting
code C989



Biadhesive mounting for helmets
code C990



Velcro strip for bicycle helmets
code C991



Bicycle and motorcycle handlebar mounting
code C992

Neck collar

Radio accessory for listening and talking during sports and recreational activities, provided with PTT button placed on the neck collar and with earplug..



MA-NC1 - Code C983
Neck Collar with earplug and PTT, "L" connector **1 Pin** (compatible with Midland 777)



MA-NC2 - Code C983.01
Neck Collar with ear plug and PTT, "L" connector **2 Pin** (compatible with Midland G5XT, G6, G6XT, G7 series, G8, G9)

BT Ski accessories

Kit 128
for 2 Pin radio connection with PTT (for Midland G5XT, G6 XT, G7 serie, G8, G9)
Includes: BT312+BHS300



Kit 129
for 1 Pin radio connection with PTT (for Midland 777)
Includes: BT312+BHS301



BT MOTO AUDIO KIT Code C933
Stereo headphones with 2 microphones (bracket and wire) and two hooks (screw and two-sided adhesive)
For using BT SKI on a motorcycle (like the BT City/Eva)



AL12V Code C894
12V travel adapter



Emergency Charger Code C920
Emergency charger



Code C993
Disposable hygienic cover for earwarmer



Action Camera accessories

Car Mounting XTC Code C980
Car mounting for stable filming from a vehicle, with suction cups capable of withstanding the stress generated inside the car.



Waterproof Case CC-XTC Code C976
Waterproof case for using the Action Camera up to 30 metres underwater



GPS navigators - (for Italian market only)

Grazie al software TwoNav preinstallato sui GPS e alle specifiche funzionalità hardware come la bussola elettronica, l'altimetro barometrico, il supporto fino a 32Gb di memoria SD ed un ampio display a colori, Aventura e Sportiva sono i GPS più evoluti e flessibili attualmente sul mercato. Il GPS Aventura ha anche funzionalità di navigatore stradale con indicazioni vocali.

Ideal
for
Softair

NEW



TwoNav Aventura

Caratteristiche

- › Ricevitore GPS Sirf III
- › Navigatore stradale con indicazioni vocali
- › Supporto per cartografia raster e vettoriale
- › Vista 2D e 3D
- › Gestione punti di interesse (POI), note di testo, foto
- › Dimensioni: 130 mm x 75 mm x 30 mm (peso 215 gr)
- › Cartografia stradale "V Map Italia"
- › Totalmente antiurto e resistente all'acqua
- › Schermo: touch screen da 3,5" ad alta definizione
- › Batteria: Litio da 3000 mAh
- › Memoria: fino a 32Gb con scheda di memoria SD HC
- › Connettore mini USB 2.0 per connessione PC e ricarica
- › Bussola elettronica
- › Barometro
- › Termometro

Confezione e codice

1 GPS Aventura, scheda di memoria SD 4Gb, mappa stradale Italia V-map TeleAtlas, alimentatore 12V per accendisigari auto, cavo USB PC, supporto per bici (Herbert Richter), supporto auto con ventosa, manuale utente/CD di Installazione, software per PC CompeGPS Land versione base

cod. C997

Accessori opzionali

Pacco batterie per batterie AA **cod. C1000**

Pacco batterie al Litio 3000mAh **cod. C1001**

Protezione schermo trasparente **cod. C998**

Custodia protettiva **cod. C999**

Mappe opzionali

Sono disponibili tutta una serie di mappe, sia in formato vettoriale che topografiche.

Visitate il sito: www.compegps.com oppure www.twonav.com

NEW



TwoNav Sportiva

Caratteristiche

- › Ricevitore GPS Sirf III
- › Navigatore stradale (senza indicazioni vocali)
- › Supporto per cartografia raster e vettoriale
- › Vista 2D e 3D
- › Gestione punti di interesse (POI), note di testo, foto
- › Dimensioni: 58 mm x 105 mm x 23 mm (peso 124 gr)
- › Schermo: touch screen da 3" ad alta definizione
- › Grado di resistenza all'acqua IPX6
- › Batteria: Litio da 1000 mAh
- › Memoria interna: 2Gb
- › Memoria: fino a 32Gb con scheda di memoria microSD HC
- › Connettore mini USB 2.0 per connessione PC e ricarica
- › Bussola elettronica 3D
- › Barometro

Confezione e codici

1 GPS Sportiva, alimentatore da muro, cavo USB PC, supporto per bici, manuale utente/CD di Installazione, software per PC CompeGPS Land versione base

cod. C995

cod. C995.01 (con cartografia VMap Italia)

Accessori opzionali

Custodia protettiva

cod. C996

Mappe opzionali

Sono disponibili tutta una serie di mappe, sia in formato vettoriale che topografiche.

Visitate il sito: www.compegps.com oppure www.twonav.com

Geopoint Box SMS - Geopoint Voice LCD

GPS locators, Emergency system and anti-theft device



Main characteristics for both



To trace people, vehicles or goods



Portable satellite anti-theft device for cars and bikes



Settable sending of the position, speed and altitude



Emergency SOS text message to communicate the entrance and the exit from a specific location(geofencing)



Networking with a PC through GPRS/INTERNET



Equipped with the MyTrack PC software, which allows to show the position of the device on the map.



By pressing the SOS button, SMS messages are sent to a maximum of 4 preset phone numbers.



Updating and customizing of the functions by logging onto www.geopoint.it

If you have a SIM card:

Rechargeable - the communication between the device and the MYTrack software comes about solely through GPRS network.
Account - the communication between the device and MyTrack software comes about through GPRS or through data sending/reception (only if the data number has been activated with the network provider).

Geopoint Voice LCD version



Guide towards a preset destination or towards the starting point of a trail.



Data link with another Geopoint device with indications of the distance and the directions to reach it.



It includes voice calling like a GSM phone.

Technical specifications Geopoint Box

GPS Receiver	SiRFstart III – 20 Channels
GSM frequency	850/900/1800/1900 MHz
Data storage	512KB
Port	N. 1 mini USB
Sensors	N. 1 movement
Dimensions/Weight	74x74x23mm / 120gr
Battery	Standard Li-ion 1000mAh
Conformity	CE

Packaging and codes Geopoint Box SMS

1 GPS GEOPOINT BOX SMS, 1 Wall charger, 1 car charger, 1 USB cable, Li-Ion battery pack, CD ROM for software MyTrack, user manual for the unit, user manual for MyTrack software.

code C911.06 Geopoint White
code C911.07 Geopoint Grey
code C911.08 Geopoint Green

Technical specifications Geopoint Voice LCD

GPS Receiver	SiRFstart III – 20 Channels
GSM frequency	850/900/1800/1900 MHz
Data storage	2MB FLASH non-volatile
Port	N. 1 mini USB
Sensor	N. 1 movement
Dimensions/Weight	74x74x23mm / 120gr
Battery	Standard Li-ion 1000mAh
Conformity	CE

Packaging and codes Geopoint Voice LCD

1 GPS GEOPOINT VOICE LCD with vocal functions and data memory of 2MB, 1 earphone Kit, 1 Wall charger, 1 car charger, 1 USB cable, Li-Ion battery pack, CD ROM software MyTrack, user manual for the unit, user manual for MyTrack software

code C912.06 Geopoint White
code C912.07 Geopoint Grey
code C912.08 Geopoint Green

Business Units



Business Unit Radio

Handles a wide range of products that include every type of CB mobile and handheld transceivers, marine, amateur and a vast range of PMR446 and LPD (low power device) transceivers.

The Radio Business Unit also includes devices with built-in **Bluetooth technology**, wireless headset system with Intercom dedicated to bikers, skiers and sport activities.

All products aim to be useful equipment for different situations, such as leisure time, working tasks or sport activities, to communicate without any fees or costs.

Besides the wide range of Midland brand products, the Radio Business Unit also includes Alan Professional equipments, such as mobile and handheld transceivers for independent professional communications networks.

In the Consumer catalogue issued by Cte International as well as the traditional **Midland** and **Alan Professional** and brands there is also the **Albrecht brand**, acquired in 2001 by the associated company Alan Electronics in Germany and completely renewed thanks to the 30-year experience of CTE International's R & D department.



Microline Business Unit

The **Microline Business Unit** develops and creates sophisticated and miniaturized products for Intelligence applications.

The **Microline range** of products is entirely designed and manufactured in Italy by Cte International in order to ensure full compliance with specific requirements.

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

Cte Digital Broadcast



In 2008 CTE International together with META System spa, TEKO Telecom spa and CTE Digital Broadcast, created an industrial pole for the Broadcast field named **CTE Digital Broadcast** with a nominal capital of 5,1 million Euro.

The aim of **CTE Digital Broadcast** is to develop, produce and market analogue and digital transmission systems for Radio and TV.



Branches and partners all over the world

The numerous branches and associated companies of the group are located in Spain, Germany, Great Britain, France, Greece, Poland, Russia, United States, Bulgaria and Singapore.

Amongst the international successes especially noteworthy is the acquisition of a significant quota of the American company **Midland Consumer Radio of Kansas City**, prestigious for its highly professional technical capacities and its leadership of the CB production and distribution in the United States market.

The associated companies operate with the **same criteria of quality, reliability and R & D investment** which distinguishes the Italian Headquarters, with a corporate image and a constant alignment and overall coordination of the market strategies and production techniques.

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Cte International

The Cte International Group

Established in 1972 it is today a major player in the radio communications industry on the international scene, with a portfolio of products that ranges from PMR & LPD transceivers, across the CB and amateur range, up to the professional PMR radios dedicated to individual communication networks, professional equipment for public and private fields such as emergency health service or surveillance.

Interpreting communication needs

By interpreting the market communication needs and applying this knowledge to the most advanced technologies, the company is able to diversify, ranging from in-house development of integrated radio communication products and systems to consulting and distribution world-wide.

Throughout the years..

thanks to a focused international expansion strategy, Cte International, with its main premises in Reggio Emilia, Italy has managed to create over the years a commercial group with branches and associated companies in the most important countries of the world, headed by Cte International Italia, which is the head company, center of all R&D activities and owner of the brands of all products marketed world wide (**Midland, Alan Professional and Microline**).

From its corporate headquarters in Reggio Emilia, Cte International has progressively consolidated its position by focusing production on 2 main areas that are managed by dedicated business units: **Radio and Microline**.

