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AE 6290

CB RADIO

Always in touch!

CB radio can save lives

Since 2010, the German Federal Ministry of Transport has equipped many road maintenance departments with small beacon transmitters. The devices warn truck drivers of construction and danger spots via CB radio in the respective national languages. This means that truck drivers are warned acoustically 300 - 400 m before a dangerous spot, even if visibility is poor.

Selection of channels with warning announcements

Channel 9	German
Channel 10	Czech
Channel 12	Lithuanian
Channel 15	Russian
Channel 19	English
Channel 21	Turkish
Kanal 28	Polnisch

SMALL CB GLOSSARY

VOX:

The VOX (Voice Operated Exchange) hands-free function enables communication in the vehicle without having to pick up the microphone. The radio detects when the driver is speaking and automatically starts radio transmission.

NRC:

NRC (Noise Reduction Circuit) noise filter filters out background noise and interference when receiving radio transmissions, providing unprecedented, crystal clear audio quality on CB radio.

Repeater:

With the repeater function you can achieve almost twice the range compared to normal CB radio operation. In repeater mode, the radio transmits on one channel and receives on a second channel. The radio automatically switches back and forth between the two channels. This allows communication with weaker, more distant radio stations that are located in the vicinity of a relay.

CB Radio and more ...

ALBRECHT VOX MICS



- **For hands-free communication in the vehicle**
(compliant with § 23 (1a) StVO, which prohibits the use of microphones by hand in vehicles as of 01.07.2021)
- **Active Noise Cancellation (ANC) filters background noise**
- **VOX sensitivity adjustable in 4 levels**
- **VOX delay adjustable in 4 steps**
- **Impedance: 4.7 K Ohm**
- **Sensitivity: -58 db**
- **Up/Down buttons**

Art.-Nr.:	42100	42120	42130	42110
Power supply	3000 mAh battery	3000 mAh battery	3000 mAh battery	without battery, power supply directly from CB radio
USB charging socket	Yes	Yes	Yes	No
Plug	6 pin	4 pin V1	4 pin V2	6 pin
Pin Assignment	1 - Mic 2 - RX 3 - TX 4 - Up/Down 5 - Mass 6 - Power supply (battery)	1 - Mic 2 - Mass 3 - RX 4 - PTT	1 - Mass 2 - Mic 3 - PTT 4 - RX	1 - Mic 2 - RX 3 - TX 4 - Up/Down 5 - Mass 6 - Power supply
Compatible with	AE 6199, AE 6199 VOX, AE 6199 NRC, AE 5890, AE 6891, AE 6790, AE 6690, AE 5090 XL, Midland M20, Alan 48 Plus, Alan 48 Pro, Alan 78 Plus, Alan 78 Pro, Stabo XM 3003	AE 4200, almost all Stabo 4-pin CB radios, e.g. Stabo XM 4082, XM 3044, XM 3082	Midland M10, Midland M Zero Plus, Alan 100 Plus B, various President devices, Lavayette, etc.	AE 6490, AE 6491, AE 6491 VOX, AE 6491 NRC, AE 6490 CT, AE 6491 CT (devices sold before 01.01.2020)

CB mobile radio

AE 6491 VOX / NRC

A CB mobile radio of the latest generation with front speaker and DIN mounting dimensions. It is equipped with a wide angle LCD, which allows an excellent readability from any position. The large 3 watt front speaker sounds clear and distortion-free even at high volume.

- All European CB radio standards
 - 12/24 Volt operation
 - AM/FM switching
 - CTCSS coding tones
 - 6-pin microphone jack on front panel
 - 5 channel memory
 - Channel 9/19 direct key
 - Automatic squelch (ASQ)
 - Electret microphone with additional UP/ DOWN/ASQ buttons
 - 2 colors selectable for display illumination
 - Front speaker: 3 Watt, 8 Ohm
- **Order no: 12648.01**, AE 6491 VOX with VOX hands-free function
 - **Order no: 12648.02**, AE 6491 NRC with VOX hands-free function and additional NRC noise filter for crystal clear reception and highest audio quality
 - **Order no: 75495**, Replacement DIN bracket

ISO 9001 certified
development and production

**12/24
VOLT**



Handsfree kit for all AE 6490/91 models

WP-24

The WP-24 hands-free kit allows you to use all Albrecht AE 6490 and AE 6491 models without taking your hands off the wheel. The remote control can be mounted very easily on the steering wheel and has a range of up to 7 meters to the radio.

Just connect the supplied microphone close to the driver (e.g. sun visor) and the receiver to the microphone jack of the radio, and you're ready to go. The remote control can also be used to select the channels and switch ASQ on/off.

The microphone sensitivity can be adjusted according to the distance.

As of July 1, 2021, the legislator stipulates that Car and truck drivers who want to use the radio at the wheel, must use a hands-free device for safety reasons.

- Channel selection and ASQ via remote control
- Microphone sensitivity continuously adjustable
- LED status display

- **Order no: 41980**



Scope of delivery:
Remote control incl. battery CR 2032, receiver, external microphone, steering wheel mount, Mounting screws

CB mobile radio

AE 6199 VOX / NRC



With VOX hands-free function, NRC and S-meter.

We have completely revised the AE 6199 in 2 versions. Besides VOX and other new features, the NRC version is equipped with the new noise filter NRC (Noise reduction circuit) for crystal clear reception and highest audio quality.

- All European CB radio standards
- Automatic Squelch (ASQ)
- VOX handsfree function
- CTCSS / DCS tones
- Wide angle LC display
- 3 selectable display colors
- Channel scan
- Channel 9/19 direct dial button
- 6-pin microphone jack
- Connection for ext. loudspeaker

• **AE 6199 VOX**, 12 volt version, **Order no: 12699.01**

• **AE 6199 NRC**, 12/24 volt version, **Order no: 12699.02**
12/24 V power supply, with NRC noise filter for crystal clear reception and highest audio quality

ISO 9001 certified
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DIN bracket
for car radio slot

• **Order no: 75420**



CB mobile radio

AE 6290 VOX



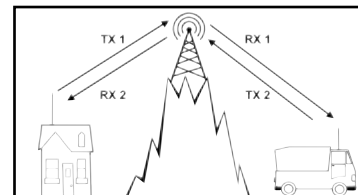
The first Albrecht CB radio with integrated repeater/relay function.

The repeater function transmits on one channel and receives signals on a second channel. The radio automatically switches back and forth between the two channels.

This enables communication with weaker, more distant radio stations that are located in the vicinity of a relay. The radio range is thus considerably increased.

- Multinorm CB radio with all European frequencies
- VOX hands-free function
- Operation via CB radio relay / repeater*, freely programmable
- S-/Power meter
- Talk Back - function to check own modulation
- SCAN functions for all channels
- S-meter, 6-step
- Receiving sensitivity adjustable (RF Gain)
- Channel 9/19 direct selection button (freely programmable)
- Die-cast housing
- Automatic Squelch (ASQ),
- Noise Blanker against radio interference
- Up/Down buttons on unit and microphone
- Display illumination in 8 colors
- RJ45 microphone jack

• **AE 6290 VOX**, **Order no: 12629**



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CB mobile radio

AE 6110 VOX



The ALBRECHT AE 6110 VOX is a CB radio in mini format with all the essential functions you need.

The highlight: the width of only 10 cm and the height of 2.5 cm make it a real space saver and can easily fit into even the smallest of spaces.

With its die-cast housing, it is very stable and can withstand heavy external loads.

- All European CB radio standards
- VOX handsfree function
- Compact mini CB radio
- 4 Watt AM/FM
- Channel selection buttons on microphone
- S-meter, 6-step
- Receiving sensitivity adjustable (RF Gain)
- LED indicators for RX and TX
- Channel 9/19 direct selection button (EMG)
- Die-cast housing
- Automatic Squelch (ASQ),
- 9-step adjustable
- Channel search (scan)
- Socket for external loudspeaker
- Conversion option for licensed amateur radio operators:
10 m amateur radio band, 400 channel mode: 5.610 - 30.105 MHz, 8 watts
- **AE 6110 VOX** with cigarette lighter plug and cable for hard wiring,
Order no: 12613

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CB mobile radio

AE 6120 VOX



The ALBRECHT AE 6120 VOX offers the same numerous advantages of the AE 6110 VOX, however, it has a larger display as well as the possibility to connect other compatible microphones via the RJ45 microphone jack.

- All European CB radio standards
- VOX handsfree function
- Compact mini CB radio
- Up/Down buttons on microphone
- RJ45 microphone jack
- LCD display, S-meter
- Receiving sensitivity adjustable (RF Gain)
- LED indicators for RX and TX
- Channel 9/19 direct selection button (EMG)
- Die-cast housing
- Automatic Squelch (ASQ),
- 9-step adjustable
- Channel search (scan)
- Socket for external loudspeaker
- Conversion option for licensed amateur radio operators:
10 m amateur radio band, 400 channel mode:
5.610 - 30.105 MHz, 8 watts
- Dimensions: 111 x 104 x 25 mm
- Weight: 300 g
- **AE 6120 VOX** with cigarette lighter plug and cable for hard wiring,
Order no: 12620

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CB / amateur mobile radio with SSB

AE 5890 EU



This Multistandard SSB CB mobile radio is a powerful device with lots of function for every CB radio lover.

AE 5890 EU complies with the European standard:
4 Watt AM, 4 Watt FM, 12 Watt SSB!

For radio amateurs, the AE 5890 EU is modifiable to the 10 M band (28.0 - 29.7 MHz) with plenty of power: 10 W AM, 30 W FM, 30 W SSB.

- All European CB radio standards
- Channel selection via rotary knob and buttons on the microphone
- Channel and memory search
- LCD with frequency/channel displays
- MIC and RF sensitivity adjustable
- Dual channel monitoring, channel 9/19 direct switching
- Single knob operation for volume, squelch, fine tuning
- Stepless transmit power adjustment
- 10 step S - and power meter
- 5 programmable channel memories
- Menu functions like key tone, roger beep, transmit time limit
- 7 color tones for backlight
- 6-pin microphone jack, according to GDCH standard
- Adjustable frequency offset for repeater operation

- **CB version, Order no: 12589**
- **Amateur version, Order no: 35589**

DIN car bracket

- **Order no: 75440**



Handheld CB / SSB radio

AE 2990 AFS



The first approved CB-SSB handheld radio. SSB provides about twice the range of FM.

- All European CB radio standards
- Hi/Low power switchable
- Channel 9/19
- Key lock
- RF and microphone sensitivity adjustable
- Battery compartment for 9 "AA" batteries (batteries not included)
- Can be converted to amateur radio frequencies for licensed radio amateurs

- **Order no: 10190**

Scope of delivery:

AE 2990 AFS, BNC antenna, battery compartment, wrist strap

Optional accessories

Car power set

Power supply adapter with cig. lighter plug, which instead of the battery block is connected, with connector for ext. antenna



- **Order no: 10108**

Desktop charger

Automatic charger • **Order no: 10106**

12 V cigarette lighter cable

Length: 2,3 m • **Order no: 7575**

24 V cigarette lighter cable

DC/DC converter 24 to 12 V for charging the batteries on a 24 V vehicle electrical system

- **Order no: 73751**

Empty battery housing

for 9 batteries • **Order no: 10103**

Speaker microphone SM 600

With L-plug, water protected (IP54)

- **Order no: 41755**

Replacement antenna

- **Order no: 10105**



Overview



EQUIPMENT	MOBILE RADIOS		
	AE 5890 EU	AE 6491 VOX/NRC	AE 6199 VOX/NRC
Channel selection on the device (rotary knob = DK, Up/Down=UD)	DK/UD	DK/UD	UD
Up/down microphone included	•	•	○
NF-Power (W to Ω)	6/4	4/8	3/8
Search/Scan (Up/Down)	•	•	•
Number of memory locations	5	5	-
Memo Scan (Up/Down)	•	•	○
Dual Watch	•	○	○
Direct selection key (n) Channel	9/19	9/19	9/19
S-Meter sites	10	10	9
Mic Gain	Menu	Menu	-
RF Gain	Menu	-	-
ASQ	○	•	•
Connection of loud-speaker/headphones	3.5 mm	3.5 mm	3.5 mm
Type microphone jack	6 pin	6 pin	6 pin
12/24 V-Power supply	○	•	(•)
Special features	SSB / color switching display	VOX (NRC)	VOX (NRC)
Dimensions, cm (WxDxH)	245/155/5	18.8/13.1/5.7	13/19/3.5
Weight in g	1300	1027	800
Country standards	D, EC, Po, E, UK	D, EC, Po, E, UK	D, EC, Po, E, UK
Artikel-Nr.	12589	12648.01 12648.02	12699.01 12699.02

Country standards	D	EC	Po	E	UK
Channels FM / AM / SSB *	80 / 40 / 40	40 FM	40 / 40 / 40	40 / 40 / 40	40 FM (UK)
Transmitting power	4 / 4 / 12 W	4 W	4 / 4 / 12 W	4 / 4 / 12 W	4 W
Frequency range (MHz)	26.565 - 27.405	26.965 - 27.405	26.960 - 27.400	26.965 - 27.405	27.60125 - 27.99125

*SSB only available with AE 5890 EU and AE 2990 AFS

MOBILE RADIOS			
AE 6290 VOX	AE 6120 VOX	AE 6110 VOX	AE 2990 AFS
UD	DK	-	UD
•	•	•	○
3/8	3/8	3/8	0.5/8
•	•	•	•
-	-	-	5
○	○	○	•
○	○	○	•
9/19	9/19	9/19	9/19
12	8	6	9
Menu	-	-	Menu
Menu	Menu	Menu	Menu
•	•	•	○
3.5 mm	3.5 mm	3.5 mm	3.5 mm
RJ45	RJ45	-	2.5 mm
•	○	○	Mains operation via adapter
repeater-/ relay function VOX	compact size	compact size	handheld SSB/CB radio
12.4/10.1/3.6	11.1/10.4/2.5	10.2/10/2.5	7/4.5/18
428	300	450	280
All	All	All	D, EC, Po, E, UK
12629	12620	12613	10190

Mobile antennas

Ninja

5/8 Lambda, incl. 4 m cable and black DV base.
Length: 95 cm
Power handling: 300 W
Channels: 120

• Order no: 67230



ML 130

Magnetic base antenna, 1/4 lambda, incl. 4 m cable and PL 259 connector.
Length: 100 cm
Power handling: 500 W
Channels: 120

• Order no: 6330



Gamma II F

1/4 Lambda, incl. 4 m cable and DV base. 1/4 Lambda
Length: 93 cm
Power handling: 100 W
Channels: 80

• Order no: 6725



Hyflex 27

Window clamp antenna for truck and car with PL/FME adapter and 3 m cable.
Length: 54 cm
Power rating: 50 W

• Order no: 6220.S1

Racer 60

1/2 Lambda, incl. 4 m cable and DV base
length: 72 cm
Power handling: 100 W
Channels: 150

• Order no: 67140



Racer 60 M6

like Racer 60 but with M6 connection

• Order no: 67142

Racer 90

1/2 Lambda, incl. 4 m cable and DV base
length: 115 cm
Power handling: 100 W
Channels: 120

• Order no: 67130



Racer 90 M6

like Racer 90 but with M6 connection

• Order no: 67132

Magnetic base BM 150 DV/PL

For DV antennas, black, complete with 3.9 m cable and PL plug, diam. 15 cm, with rubber protector

• DV base, Order no: 6781
• PL base, Order no: 6782



CX 201 Antenna switch

2-way antenna switch in solid cast quality
• Freq. range: 1.8 - 470 MHz
• Throughput attenuation 0.2 dB
• Load capacity up to 1000 W

• Order no: 7401



Albrecht CX-5

3-way antenna switch
• Freq. range: 0 - 500 MHz
• Throughput attenuation 0.2 dB
• Load capacity up to 200 W

• Order no: 7402



Microphones

DMC 520-4

High quality dynamic microphone with 4-pin microphone plug

• Order no: 41964



DMC 520-6

High quality dynamic microphone, 6-pin microphone plug

• Order no: 41966



DMC 2

Dynamic microphone, 4-pin microphone plug, Frequency range: 200 - 5000 Hz

• Order no: 41991



EC 2002

High quality echo microphone. Frequency range: 150 - 3500 Hz
Impedance: 3000 Ohm
Sensitivity: 62 ± 3 dB

• Order no: 4215

Inverter



• INV 300 W
300 W, 12/24 V, Order no: 47875



• INV 150 W
24 V, Order no: 47861
24 V + USB, Order no: 47870

Loudspeaker

CB 20

Speaker with switchable noise filter and attenuator (8 dB), incl. mounting material and connection cable with 3.5 mm jack



plug.
Frequency range: 250 - 8000 Hz
Impedance: 8 Ohm, Power: 7 W

• Order no: 7120



CB 250

Speaker, incl. mounting material and connection cable with 3.5 mm jack plug.

Frequency range: 200 - 7000 Hz
Impedance: 8 Ohm, Power: 7 W

• Order no: 7117

Power Cord & Measuring Device



SWR 20 Standing wave meter.
Frequency range: 3.5 - 50 MHz,
Impedance: 50 Ohm,
Accuracy: +/- 5%

• Order no: 4410
with power meter
• Order no: 4412



Switching power supply SW 79

7 - 9 ampere, 13.8 volt

• Order no: 47520



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Subject to changes and printing errors.

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