

# MANUAL

ENGLISH EDITION



Downloaded from [www.cbradio.nl](http://www.cbradio.nl)

Beschikbaar gesteld door [www.vossenjachtinfo.nl](http://www.vossenjachtinfo.nl)

2. How to read the display  
Instruments, LEDs and channel display DISPLAY
3. How to use control knobs  
Push buttons and rotating knobs CONTROL KNOBS
4. How to connect the plugs  
Antenna, power, S-Meter, external speaker and  
PA speaker PLUGS
5. How to install the radio  
Power, antenna, speaker, microphone and mounting INSTALLATION
6. How to solve technical faults  
No function, receiver & transceiver troubles, repair TROUBLESHOOTING
7. Hints about antennas  
CB antennas, antenna plugs, adjustment, location ANTENNAS
8. What are the specifications?  
In general, transmitter and receiver SPECIFICATIONS

**Dealer:**

© Copyright 1988. Danitas Radio LTD.  
DANITA® is registered trademark of Danitas Radio

Design: Anders Smith MAA (ID). The design is registered.  
Subject to change without prior notice.

# DISPLAY

2

**INSTRUMENTS** SIGNAL /POWER meter: Displays in receiver mode the strength level of the received signal. In transmitter mode the transmitter output is shown. The readings are relative.

SIGNAL/MODULATION meter: Displays the strength level of the modulation in both receiver and transmitter mode.

## LEDs

The LIGHT EMITTING DIODES gives quick information of the activated functions.

TRANSMIT shows red color when the radio is actually transmitting, i.e. when the push-to-talk button on the microphone is switched to TX position.

SQUELCH shows green color when the squelch is out of function.

The LEDs above the push buttons indicate the position of the push button switches.

CB/PA indicates if the radio is in CB mode or in Public Address mode.

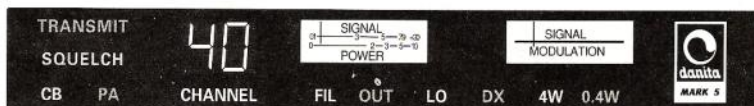
FIL/OUT indicates if the built-in noise filter is activated or not.

LO/DX indicates if the sensitivity of the receiver is reduced (LO) or not (DX). In DX position even weak signal can be monitored.

4W/0.4W indicates if the transmitter output is 4 Watt or reduced to 0.4 Watt.

## CHANNEL

The CHANNEL display indicates which channel you are operating on.



The CB/PA push button switches the radio between the CB mode and the Public Address mode. Using the unit in the PA mode demands an extra speaker connected to the PA socket on the rear side.

PUSH BUTTONS

The FIL/OUT push buttons switches on and off the built-in noise filter which removes the highest sound frequencies.

The LO/DX push button controls the sensitivity of the receiver section. Push the button and the sensitivity will be reduced avoiding long distance signal to be received.

The 4W/0.4W button switches the transmitter output power between 4 Watts and 0.4 Watt.

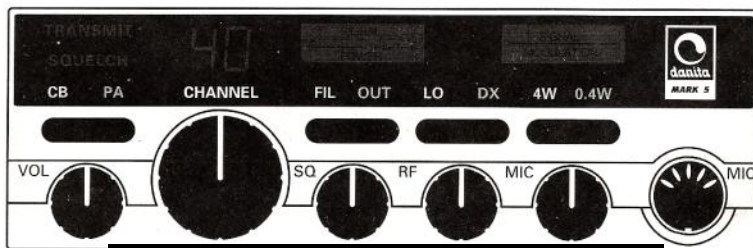
The VOL knob controls the ON/OFF switch and the volume level. Turn clockwise to apply power and then adjust for desired sound level.

ROTATING  
KNOBS

The SQ knob controls the squelch function which permits you to cut out annoying background noise when no station is being received.

The RF knob controls the sensitivity of the receiver. Increase the setting clockwise when you are trying to receive weak signals.

The MIC knob controls the sensitivity of the microphone. To increase the modulation level when transmitting turn the mic knob clockwise.

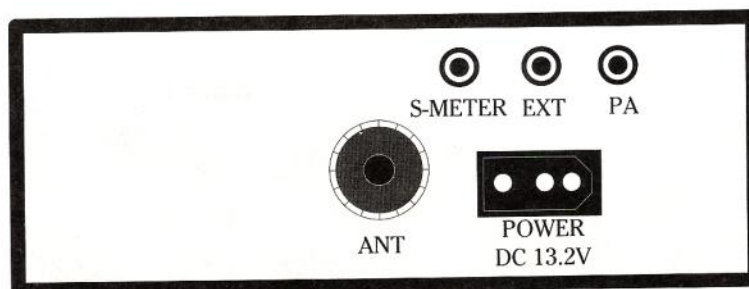




# PLUGS

4

- ANTENNA** The ANT connector should be connected to an antenna specially made for 27 MHz CB use. Antenna and cable impedance must be 50 Ohms. Use a PL 259 plug.
- POWER** The POWER connector is for the power cord with connector delivered together with the radio. The power source must be 12 Volts DC, negative ground. Connect the red wire to the (+) terminal and the black wire to the (-) terminal.
- S-METER** The S-METER jack connects your radio to an external S-Meter for better reading of the signal strength in receiver mode. Use a meter with 100  $\mu$ A sensitivity.
- EXTERNAL SPEAKER** The EXT jack is for the connection of an external speaker (8 ohm type) for remote listening. When the jack is mounted the internal speaker is switched off.
- PUBLIC ADDRESS** The PA jack should be connected to an external speaker (8 ohm type) when using the radio in Public Address mode.



Downloaded from [www.cbradio.nl](http://www.cbradio.nl)

5

Connect  
source of  
side and

Connect  
ial conne

External  
rear side

To conn  
(1) on th  
socket. T  
tab again

The mo  
ceiver is  
bracket  
self-thre  
When fix  
the brac

Connect the power cord supplied with the radio to a source of 12 Volts DC. Connect the red wire to the (+) side and the black wire to the (-) side.

POWER

Connect your CB radio with a PL-259 male type coaxial connector to a 27 MHz CB antenna.

ANTENNA

External speaker can be connected to the jack on the rear side of the radio.

SPEAKER

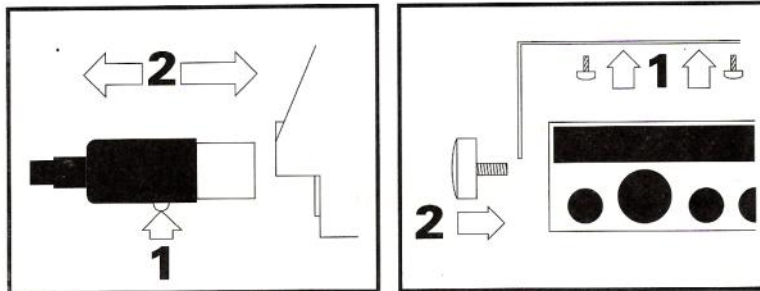
To connect the microphone plug press the small tab (1) on the mic plug and press the plug (2) into the socket. To release the microphone press the small tab again and pull it out.

MICROPHONE

The most common mounting location for a transceiver is under the dashboard. Use the mounting bracket supplied with the unit and mount it using the self-threading screws (1).

MOUNTING

When fixed under the dashboard mount the radio into the bracket using the bolts (2).



NO FUNCTION

If the transceiver is completely inoperative:

- Check the DC power cord and inline fuse.
- Replace the fuse with an identical 2 Amp. fuse only.
- Is the unit switched on? (Turn the Volume control clockwise).

RECEIVER  
TROUBLE

If you experience difficulty while receiving:

- Check the VOLUME On/Off switch setting.
- Be sure SQUELCH is adjusted properly. Is it oversquelched?
- Check if the microphone is securely connected.
- Check for good antenna connection.

TRANSMITTER  
TROUBLE

If you experience difficulty while transmitting:

- Check if transmission cable is securely connected to the antenna connector.
- Check if the antenna is correctly adjusted for 27 MHz CB use.
- Be sure you are completely depressing the push to talk button on the microphone.
- Does the red TRANSMIT indicator show that the unit is transmitting?
- Be sure the microphone connector is firmly pressed into its jack.

REPAIR

If these checks do not find the fault, do NOT attempt repairs or adjustments yourself. The unit should only be serviced by a qualified radio technician. Whenever possible, return the unit to the dealer from whom it was purchased.

The  
system  
will  
radio  
toget  
anter

The  
cable  
stran  
circu

1

3

The a  
conne  
and th

Trans

Mobil  
the ro

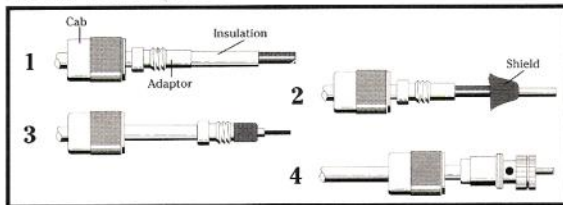
27

The antenna is a very important part of the radio system. Bad antennas or badly adjusted antennas will cause malfunction of the radio. Standard car radio antennas or television antennas will not work together with a CB radio, so a special 27 MHz CB antenna must be used.

CB ANTENNAS

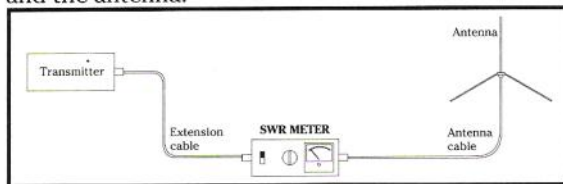
The mounting of the antenna plug to the antenna cable must be carried out very carefully as any wire strand piercing the cable shield may cause a short circuit of the system.

ANTENNA PLUG



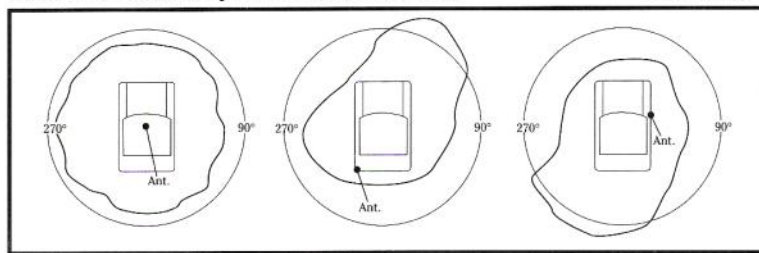
The antenna should be adjusted using an SWR-Meter connected to the antenna system between the radio and the antenna.

ANTENNA ADJUSTMENT



Mobile antennas should be mounted on the center of the roof to avoid any directional radiation.

ANTENNA LOCATION





# SPECIFICATIONS

8

Frequency Coverage.....All 40 CB channels ..... 26.965 to 27.405 MHz	IN GENERAL
Power source ..... 12-14 Volt DC	
Key components ..... 3 FETs, 28 transistors, ..... 23 diodes, 5 ICs and 11 LEDs	
External jacks ..... Antenna, S-Meter, ..... Ext. speaker (8 ohm), ..... PA speaker (8 ohm).	
Dimensions in mm ..... 165 (W) x 225 (L) x 62 (H) in inches ..... 6 1/2 (W) x 8 7/8 (L) x 2 3/8 (H)	
Weight in kgs ..... 1.4 in lbs ..... 3.1	
Power Output ..... 4 Watts max.	TRANSMITTER
Current Drain ..... 1.5 Ampere (full modulation)	
Oscillator ..... PLL system	
Modulation type ..... FM	
Modulation Deviation ..... 1.5 KHz	
Current Drain ..... 400 milliampere	RECEIVER
Sensitivity ..... 0.4 $\mu$ V or better for 10 dB S+N/N	
Adjacent Channel Rejection ..... 65 dB v/ $\pm$ 10 kHz	
Squelch sensitivity ..... 0.6 $\mu$ V	
Audio Output ..... 2 Watts	
Intermediate Frequency ..... 1st IF=10.695 MHz ..... 2nd IF=455 KHz	

Downloaded from [www.cbradio.nl](http://www.cbradio.nl)

8