

M-550 POWER

POWER SERIES

**MULTI-STANDARD
PROGRAMMABLE
HIGH POWER (-)
CB MOBILE TRANSCEIVER**

**M-550 POWER
MULTI-STANDARD PROGRAMMABLE
HIGH POWER CB MOBILE TRANSCEIVER**

A new series of state-of-the-art CB (27 MHz) mobile transceivers, with advanced software and hardware design, specifically conceived for Citizen Band operators and for car & truck drivers. 8 bands programmable multi standard circuit design, matching frequency & operating mode requirements of various countries. The new *POWER SERIES* family of CB radios is based on a new high power MOSFET transmitter circuit, rated at 12W RF maximum (International version) or at 4W RF maximum (European version). This new and exclusive circuit design makes this radio one of the most advanced and sophisticated mobile CB transceiver in the market. One radio only, ready for use in all the European countries !

12W!

TRANSMITTER MAXIMUM
RF OUTPUT POWER (-)
RATED AT 4W MAXIMUM
FOR EUROPEAN VERSION

MULTI-STANDARD
PROGRAMMABLE
TECHNOLOGY

MOSFET
TRANSMITTER



- 8 BANDS
- AM/FM
- ROGER BEEP
- NOISE LIMITER
- PA
- LOCK
- EMG CH9/19
- RF GAIN
- MIC GAIN
- QUICK UP/DN
- ANALOGUE METER
- ROTARY CH SWITCH
- ECHO (1)
- MOSFET TRANSMITTER
- ELECTRET MIC

feature
PACKED
see reverse for full details



INTEK

M-550 POWER

State-of-the-art CB (27 MHz) high power mobile transceiver, with advanced software & hardware design, specifically conceived for Citizen Band operators and for truck / car drivers

MULTI-STANDARD PROGRAMMABLE HIGH POWER CB MOBILE TRANSCEIVER

One radio only, ready for use in all the European countries !

Main features :

- MULTI-STANDARD CIRCUIT DESIGN
- 8 BANDS PROGRAMMABLE
- ANALOGUE S/R/F METER
- RF GAIN CONTROL
- MIC GAIN CONTROL
- HIGH POWER MOSFET TRANSMITTER
- ROGER BEEP TONE
- ECHO (WITH OPTIONAL ECHO CARD)
- CH9 / CH19
- ANL (AUTOMATIC NOISE LIMITER)
- PA (PUBLIC ADDRESS)
- QUICK UP / QUICK DOWN KEYS
- LOCK
- HIGH QUALITY MICROPHONE WITH 6-PIN RING CONNECTOR
- OPTIONAL DIN SIZE CAR MOUNT

MULTI-STANDARD PROGRAMMABLE TECHNOLOGY

MOSFET TRANSMITTER

ANALOGUE S/R/F METER
Traditional analogue meter for precise reading of receiving signal strength and transmitter power.

CH9 / CH19
Three position switch selects the two emergency channels (CH9 or CH19) or the normal operating channels.

AM / FM MODE
It selects the operating mode AM/FM (only if allowed by the programmed band).

TX LED
Red LED confirms if transceiver is in transmitting mode.

ANL LED
Green LED confirms if ANL is active.

R. BEEP LED
Green LED confirms if Roger Beep function is active.

ECHO LED
Green LED confirms if Echo function is active.

MICROPHONE CONNECTOR
High quality condenser microphone, with channel UP/DN and Lock keys.



ELECTRET MICROPHONE
with UP/DN and LOCK keys



DISPLAY LED
shows the selected band code and the operating channel number.

ECHO
This key will activate the Echo function (if the optional Echo card is installed).

OFF / VOL
OFF / Volume control knob.

PA / SQL
Squelch control knob and PA (Public Address) switch.

ANL
Automatic Noise Limiter reduces electrical and electromagnetic interferences and noise.

RF GAIN
RF gain control to set the desired receiver gain.

ROGER BEEP
This key will activate the Roger Beep tone function.

MIC GAIN
Mic gain control to set the desired microphone gain.

CHANNEL
Rotary mechanical channel switch selects the operating channel.

ECHO-550P (ECHO CARD)
Optional ECHO card, can be very easily installed and connected to the main board through a plug-in connector. Electronic ECHO function, with adjustable ECHO level and ECHO repeat rate.



(1) The ECHO function can be enabled only if the optional ECHO card (model ECHO-550P) has been installed.

SPECIFICATIONS

GENERAL

Channels Refer to programmed band
Modes (AM, FM) Refer to programmed band
Operating Temp. -10°/+55°C
DC Input Voltage 13.2Vdc ±15%
Size 153(L) x 50(H) x 190(D) mm
Weight 940 gr.

RECEIVER

System CPU Controlled Double Conversion Super Heterodyne
IF 1st 10.695 MHz / 2nd 455 KHz
Sensitivity 0.5µV for 20dB SINAD (FM)
0.5µV for 20dB SINAD (AM)
Audio Output Power @ 10% THD 2.5W at 8 Ohm
Audio Distorsion <8% at 1 KHz
Image Rejection 65dB
Adjacent Ch. Rejec. 65dB
Signal/Noise Ratio 45dB
Current Drain 400mA (stand-by)

TRANSMITTER

System CPU Controlled PLL Synthesizer
Max Output Power 4W at 13.2Vdc
Modulation AM (from 85% to 95%)
FM (1.8 KHz ±0.2 KHz)
Output Impedanced 50 Ohm unbalanced
Current Drain 1500 mA (at no modulation)

(-) The transmitter RF output power is factory set at 4.0W RF maximum, for all the radios for the European countries (European version), in accordance with the current CE/RATTE regulations. The transmitter RF output power is factory set at 12.0W RF maximum, for all the radios for other countries (International version). THESE FACTORY SETTINGS CANNOT BE MODIFIED BY THE USER!

MITSUBISHI RF POWER MOS FET RD16HHF1
RoHS Compliance, Silicon MOSFET Power Transistor 30MHz, 16W

FREQUENCY BAND / MODE PROGRAM (EUROPEAN VERSION)

01	ITALY 40CH AM / FM 4W	05	EUROPE 40CH FM 4W / 40CH AM 1W
	SPAIN 40CH AM / FM 4W		FRANCE 40CH FM 4W / 40CH AM 1W
02	ITALY 36CH AM / FM 4W	06	CEPT 40CH FM 4W (DEFAULT)
03	GERMANY 80CH FM 4W / 12CH AM 1W	07	ENGLAND 40CH + CEPT 40CH FM 4W
04	GERMANY 40CH FM 4W / 12CH AM 1W	08	POLAND 40CH AM / FM 4W (-5 KHz)

IMPORTANT ! All radios for the European countries (European version) have been factory pre-programmed on the CE frequency band 06 (CEPT 40CH FM 4W). This product is subject to national restrictions. Before operating the radio, please check that the frequency band has been correctly programmed according to the regulations of the country where radio is used. Please read carefully the instruction manual before using this product.



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Exclusive Importers & Distributors for INTEK



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