

IC-F1010 IC-F2010



The photo shows actual size.

● Rugged construction

The highly dependable diecast aluminum chassis and polycarbonate front panel are resistant to impact.

● Multiple signalling systems*

5-tone encoder/decoder compatible with a wide variety of European signalling requirements including CCIR, ZVEI1, ZVEI2, DZVEI, EEA, EEA2 and EIA.

*5-tone encoder is standard; the optional UT-96 is necessary for 5-tone decode.

● Detachable front panel*

A detachable front panel provides numerous mounting possibilities and is simple to install in almost any vehicle.

*RMK-1 and OPC-609 are required.

● Programmable assign function

A limited number of switches (6) provides easy operation. Moreover, functions can be assigned to switches providing customization to suit specific needs.

● Large, alphanumeric display

● Advanced programming package for IBM® PC

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ADDITIONAL FEATURES

- Selectable channel spacing (channel independent)
- 32 channels for 5-tone encoder (standard)
- Emergency call with single or repeat function
- 8 identities + group code for 5-tone decode (optional)
- Selectable digits for 5-tone decoded indication
- Automatic ID transmission linked to PTT
- Standard CTCSS with 51 frequencies (plus 1 programmable)
- Standard DTCS with selectable polarity
- 7 DTMF autodialing memories
- Up to 8 characters for memory name indication
- Bank separation capability
- 5 scan channel groups
- 2 priority channels
- Automatic scan start and/or receive mute when mic is replaced in the hanger
- Automatic priority channel selection and/or receive mute release when mic is picked up
- Normal scan and priority scan
- Power ON scan start
- Adjustable transmit release period to prevent noise burst at end of transmission when using CTCSS
- Remote monitoring capability (optional UT-96 required)
- Optional passcode input to prevent operation by unauthorised persons
- Programmable minimum level for audio
- Selectable transmit power
- Talk around function (temporary simplex operation on a duplex channel)
- Time-out timer
- Time-out ID transmission
- Penalty timer
- Transmit lockout (channel busy/repeater/reverse repeater)
- 2 selectable 'stun' functions (optional UT-96 required)
- External I/O terminal socket (optional OPC-617 required)

SPECIFICATIONS

GENERAL

- Frequency coverage
 - IC-F1010 : 136-155 MHz
146-174 MHz
 - IC-F2010 : 400-430 MHz
450-490 MHz
490-520 MHz
- Mode : 16K0F3E, 8K50F3E
- No. of channels : 32 (standard), 160 (optional)
- Channel spacing : 12.5 kHz and 25 kHz
- Power supply : 13.2 V DC $\pm 15\%$ requirement (negative ground)
- Current drain (at 13.2 V DC)
 - High 7 A (IC-F1010) 8 A (IC-F2010)
 - Low 3 A (IC-F1010) 4 A (IC-F2010)
 - Squelched 700 mA
 - Max. audio output 1.2 A

- Usable temp. range : -25°C to $+55^{\circ}\text{C}$
- Frequency stability : ± 1500 Hz
- Dimensions : 150(W) x 50(H) x 180(D) mm (proj. not included)
- Weight : 1.5 kg

TRANSMITTER

- Output power : High 25 W
Low 2.5 W
- Max. frequency deviation : ± 2.5 kHz, ± 5.0 kHz
- Adjacent channel power : 60 dB (12.5 kHz)
70 dB (25 kHz)
- Spurious emissions : 0.25 μW (max.)
- Hum and noise : 50 dB typ. (IC-F1010)
45 dB typ. (IC-F2010)

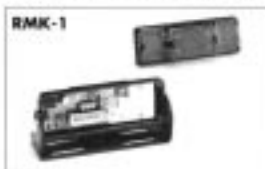
RECEIVER

- Sensitivity : 0.63 μV emf (IC-F1010)
(20 dB SNAD) 0.67 μV emf (IC-F2010)
- Squelch sensitivity : 0.22 μV (IC-F1010)
(at threshold) 0.25 μV (IC-F2010)
- Adj. channel selectivity : 70 dB typ. (12.5 kHz)
75 dB typ. (25 kHz)
- Intermodulation rejection : 65 dB
- Spurious response rejection (typical) : 80 dB (IC-F1010)
70 dB (IC-F2010)
- Hum and noise (typical) : 50 dB (IC-F1010)
45 dB (IC-F2010)
- Audio output power : 4 W typ. at 10% distortion with a 4 Ω load

Measurements made in accordance with ETS-300-086. All stated specifications are subject to change without notice or obligation.

OPTIONS

- **EX-1761** MEMORY EXPANSION UNIT
- **OPC-617** ACC CABLE
For external terminal connection.
- **RMK-1** SEPARATION KIT + **OPC-609** SEPARATION CABLE
For front panel detachment installation (1.9 m).
- **SP-5** EXTERNAL SPEAKER
Large speaker for good audio quality.
Input impedance: 4 Ω ; Max. input power: 5 W.
- **SP-10** EXTERNAL SPEAKER
Compact and easy-to-install.
Input impedance: 4 Ω ; Max. input power: 5 W.
- **UT-96** 5-TONE UNIT
Provides the transceiver with 5-tone decoder capabilities.
- **UT-105** SmarTrunk II™ Logic Board*
Provides SmarTrunk II™ capabilities.
*SmarTrunk II™ is a trademark of SmarTrunk Systems



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