

12 MENU SCREEN OPERATION

◇ Weather alert

WX--ALT
U.S.A. version only

Turns weather alert function ON and OFF. (p. 000)
(default: OFF)

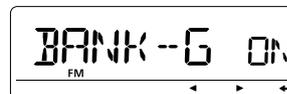


◇ Memory bank link function B--LINK

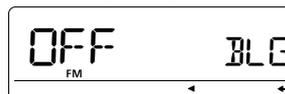
Sets the memory bank link function ON and OFF (default). The link function provides continuous bank scan, scanning all contents in the selected banks during bank scan.

• Bank link setting

- ① Rotate [DIAL] to select the bank that you want to change.



- ② Push [←](MONI)* to enter bank setting.
- ③ Rotate [DIAL] to select the setting.



- ④ Push [←](MONI)* to set and return to the BANK selection screen.
- ⑤ Rotate [DIAL] to select next bank and repeat steps ② to ④, or push [MENU] to exit scan set mode.

◇ **Program scan link function** P--LINK

Sets the program scan link function ON and OFF (default). The link function provides continuous program scan in the selected program scan number during program scan.

• **Program scan link setting**

- ① Rotate [DIAL] to select the program scan link channel, P0 to P9, that you want to change.



- ② Push [←](MONI)* to enter program scan link setting.
- ③ Rotate [DIAL] to select “ADD” to adding or “CLEAR” to deleting from programmed scan link setting.



- “LINK” for programmed scan linked number confirmation (p. 000) and “NAME” for programmed scan link name setting (p. 000) items also available.

- ④ Push [←](MONI)* then rotate [DIAL] to select the desired programmed scan number to be linked (if “ADD” is selected in step ③) or to be deleted from the link (if “CLEAR” is selected in step ③).



- “ADD” selection;
The programmed scan numbers, that has not been linked in the selected program link channel, are only be displayed/selected.
 - “CLEAR” selection;
The programmed scan numbers, that has been linked in the selected program link channel, are only be displayed/selected.
 - Push [←] (CS) to cancel the selection.
- ⑤ Push [←](MONI)* to add/delete the setting.
 - Return to the previous indication as step ③.
 - ⑥ Repeat steps ③ to ⑤ to continuing the program scan link channel setting or push [MENU] to exit MENU screen operation.

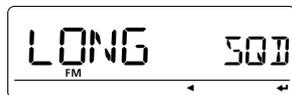
12 MENU SCREEN OPERATION

■ SET mode— FUNC items

◇ Squelch delay timer SQL -- DL

Selects squelch delay from short and long to prevent repeated opening and closing of the squelch during reception of the same signal.

- SHORT : Short squelch delay. (default)
- LONG : Long squelch delay



◇ Attenuator AT--ATT

The attenuator prevents distortion of a desired signal by very strong RF signals near the desired frequency or when very strong electric fields, such as from a broadcasting station, are present at your location.

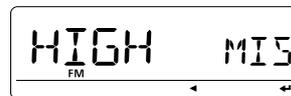
Select the attenuator function ON and OFF (default).



◇ Mic sens level MIC -- S

Selects the microphone sensitivity from HIGH and LOW to suit your preference.

(default : USA version; LOW, Other versions; HIGH)



◇ ALC ALC

Sets the ALC (Automatic Level Control) function ON and OFF (default).

The ALC function reduces the microphone again automatically when the transmission audio is distorted.



◇ PTT lock PTT LK

Turns the PTT lock function ON and OFF.

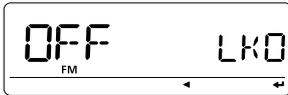
Transmission with [PTT] is inhibited when ON is selected to prevent accidental transmission, etc. (default: OFF)



◇ **Busy lockout**

LK OUT

Turns the busy lockout function ON and OFF. This function inhibits transmission while receiving a signal or when the squelch is open. (default: OFF)

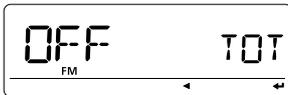


◇ **Time-out timer**

TOT

To prevent accidental prolonged transmission, etc., the transceiver has a time-out timer. This function cuts transmission OFF after 1, 3, 5, 10, 15 or 30 min. of continuous transmission. This timer can be cancelled.

- OFF : The time-out timer is turned OFF. (default)
- 1 to 30 MIN : The transmission is cut OFF after the set period elapses.



◇ **Auto repeater**

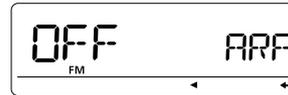
AUTORP

U.S.A. and Korean versions only

The auto repeater function automatically turns ON or OFF the duplex operation and tone encoder. The offset and repeater tone is not changed by the auto repeater function. Reset these frequencies, if necessary.

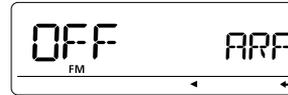
U.S.A. version:

- OFF : The auto repeater function is turned OFF.
- RPT1 : Activates for duplex only. (default)
- RPT2 : Activates for duplex and tone.



Korean version:

- OFF : Deactivates the function.
- ON : Activates duplex and tone. (default)



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◇ Fan control

FAN

Selects the cooling fan control condition from AUTO, FAST, MID and SLOW.

- AUTO : The fan rotates during transmit and for 2 min. after transmission. (default)
- FAST : The fan continuously rotates at fast speed.
- MID : The fan continuously rotates at medium speed.
- SLOW : The fan continuously rotates at low speed.



◇ Active band

ACTIVE

Allows continuous frequency selection of the operating frequency across all bands.

- SINGLE : A single operating frequency can be selected within the current band. Push [BAND] for band selection in this case.
- ALL : The operating frequency can be selected continuously. (default)



◇ Mic UP/DN

MIC --UP / MIC -- DN

Sets the assigning function to the [UP]/[DN] keys on the optional HM-154.



Assignable functions:

UP* (default)	DOWN† (default)
MENU (as [MENU )	V/MHZ (as [VFO/MHz])
BAND (as [BAND MODE])	SMW (as [S.MW MW])
M/CALL (as [M/CALL])	DR (as [DR])
CS (as [CS])	LOW (as [LOW])
MONI (as [MONI])	

*Available for "MIC-UP" only; †Available for "MIC-DN" only

◇ Packet speed

PACKET

Selects the data transmission speed for packet operation from 1200 bps (default) and 9600 bps.



◇ Data speed

SPEED

Selects the data communication speed between [DATA] jack and the connected GPS, PC, etc. from 4800 bps and 9600 bps (default).

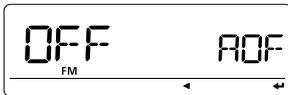


◇ Auto power OFF

AP OFF

The transceiver can be set to automatically turn OFF after a specified time period with a beep when no key operations are performed.

30 min., 60 min, 90 min, 120 min and OFF (default) can be specified. The specified time period is retained even when the transceiver is turned OFF by the auto power OFF function. To cancel the function, select "OFF" in this item.



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■ SET mode— DISP items

◇ Display dimmer DIMMER

Sets backlighting brightness.

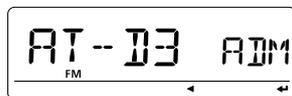
The levels 1 (dark) to 4 (bright: default) are available.



◇ Auto dimmer AT--DIM

Sets backlighting brightness when no operation is performed for approx. 5 sec.

- OFF : The backlight brightness will not be changed. (default)
- AUTO-OFF : The backlight will be turned OFF when no operation is performed for approx. 5 sec.
- AUTO-D1 to D3 : Brightness level 1 to 3 is selected when no operation is performed for approx. 5 sec.



◇ Display color COLOR

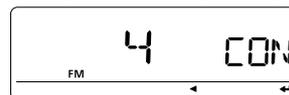
The display color can be set to amber (default), green or yellow.



◇ LCD contrast CONT

The contrast of the LCD can be selected from 9 levels.

- 1 (Low contrast) to 9 (High contrast) (default: 4)



◇ **Name indication type** NAME

Selects name indication type from MEMORY, BANK and OFF during memory mode operation.

- OFF : The programmed frequency is displayed.
- MEMORY : The programmed memory name is displayed. However, the programmed frequency is displayed if no memory name is programmed. (default)
- BANK : The bank name, that the selected memory channel is assigned to, is displayed. However, the programmed frequency is displayed if no bank name is programmed.



◇ **Scan name** SCAN N

The programmed scan or bank name is displayed during the scan type selection.

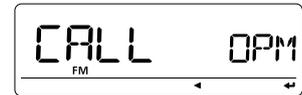
- ON : The programmed scan or bank name is displayed. However, the programmed frequency or the default bank initial is displayed if no scan or bank name is programmed, respectively. (default)
- OFF : The programmed frequency or bank initial is displayed during selection.



◇ **Opening message** OPNMSG

The opening message indication that is displayed at power ON is selectable from "ICOM" logo, my call sign or skipped.

- LOGO : "ICOM" is displayed at power ON. (default)
- CALL : The set my call sign is displayed at power ON.
- OFF : Opening message indication is skipped.



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■ Set mode— SOUNDS items

◇ Noise filter NOIS--F

- **Appears only when FM/N or AM/N mode is selected.**

The noise filter selects audio signal filter width to reduce high-pitch noise in analog mode (FM/N, AM/N) operation— clear voice audio reception is provided. Selects the noise filter from AUTO, F1–F3.

- **AUTO** : Selects the suitable audio filter width according to the received signal strength. When a weak signal is received, selects a narrow audio filter width to reduce noise audio. (default)
- **F1** : The widest audio filter width.
- **F2** : Middle audio filter width.
- **F3** : The narrowest audio filter width.



◇ Audio filter AF--FIL

- **Appears only when AM/N mode is selected.**

The AF filter suppresses high-pitch tone during AM mode operation.

- **OFF** : The AF filter is deactivate.
- **ON** : The AF filter is activate.



◇ Beep output level BEEPLV

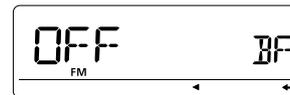
Adjusts the key-touch beep tone level to the desired level within 9 levels. (default: 9)



▨ The key-touch beep (following item) must be set to ON to have a beep tone.

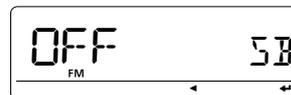
◇ Key-touch beep KEY B

Turns the key-touch beep ON or OFF. (default: ON)



◇ Scan stop beep STOP B

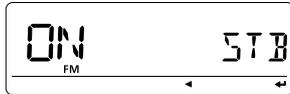
Turns the scan stop beep function ON or OFF. (default: OFF)



◇ **Standby beep**

STBY B

Turns the beep emission capability ON and OFF when the communicating station finishes transmitting or the receive signal disappears during digital mode operation. (default: ON)



◇ **Band edge beep**

EDGE B

Turns the beep emission capability ON and OFF when the frequency is changed over the band edge. (default: ON)



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■ DV set mode items

◇ Auto reply REPLY

This function replies to an individual station call even you are away from the transceiver.

After a manual transmission (pushing [PTT]), the Auto Reply setting returns to OFF automatically.

- OFF : No reply is performed even if a call is received. (default)
- ON : Sets the caller's call sign and replies to the call with the programmed own call sign.



◇ DV data TX DATATX

During low-speed data operation, auto data transmission function is available. This function transmits when data has been input from PC via the [DATA] jack.

- PTT : Data from [DATA] transmits when [PTT] is pushed. (default)
- AUTO : Data from [DATA] transmits automatically.



◇ Digital monitor MONI

Sets the desired monitoring mode during digital mode operation from "Auto," "Digital" and "Analog."

- AUTO : The transceiver sets monitoring mode to FM and DV according to the received signal. (default)
- DIGI : Monitors in DV mode.
- ANALOG : Monitors in FM mode.



◇ Digital repeater setting RPT

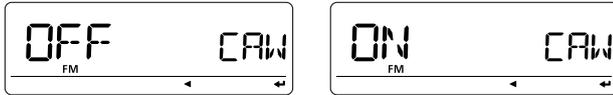
When accessing a digital repeater with a call sign different than is programmed, the repeater call sign can be stored into "RPT1" and/or "RPT2" automatically by reading the repeater's transmission. The previously stored repeater's call sign can be recalled when selecting the repeater call sign.

(default: ON)



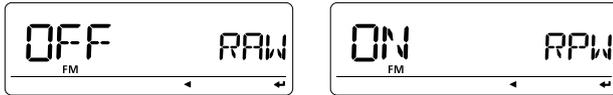
◇ **RX call sign auto write** CALL W

When an individual station call is received, the calling station call sign can be automatically set in "UR." (default: OFF)



◇ **Repeater call sign auto write** RPT W

When accessing a repeater with a call sign different than is programmed, the repeater call sign can be set into "RPT1" and/or "RPT2" automatically by reading the repeater's transmission. (default: OFF)

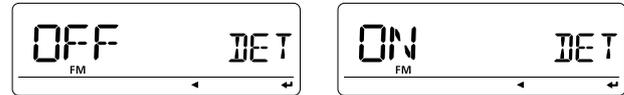


▨ The transceiver sets the received repeater call sign for operation, over-writing the previously set repeater call sign.

◇ **DV auto detect** DV DET

When a signal other than DV mode is received during DV mode operation, the transceiver has capability of automatic FM mode selection.

- OFF : Operating mode is fixed in DV. (default)
- ON : The transceiver automatically selects FM mode for temporary operation.



▨ The received audio may be distorted with the auto detection "ON" setting for FM demodulation.

◇ **Call sign edit record** EDIT R

Selects call sign programming when the call sign is edited or corrected with the pre-programmed call sign.

- OFF : The edited or corrected call sign is over written.
- SEL : The edited or corrected call sign is programmed into the selected call sign memory.
- AUTO : The edited or corrected call sign is programmed into a blank channel automatically. (default)



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◇ Auto gateway setting GW SET

The auto gateway setting simplifies the gateway repeater setting for individual station call in DR mode operation.

- OFF : The gateway repeater callsign should be set by manually. (default)
- AUTO : The gateway repeater callsign, that is in the same repeater group of the selected uplink repeater, is automatically set.



◇ RX call sign display RX CS

When a call is received, the calling station call sign can be indicated automatically. (default: AUTO)



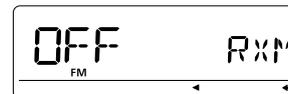
◇ TX call sign display TX CS

Selects call sign display function from YOUR, MY and OFF. When this setting is set to YOUR or MY, the transceiver automatically indicates the set station or your own call sign during digital mode transmission. (default: YOUR)



◇ RX message display RX MSG

Sets auto received message display function from AUTO and OFF. When this setting is set to AUTO, the transceiver automatically displays and scrolls the received message. (default: AUTO)



◇ Scroll speed SCROLL

Set the displayed message, call sign, etc. scrolling speed.

- FAST : Scroll speed is set to fast. (default)
- SLOW : Scroll speed is set to slow.

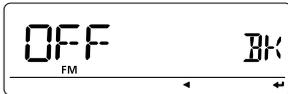


◇ Break-in function

BK

The break-in function allows you to break into a conversation where the two original stations are communicating with call sign squelch enabled.

- OFF : The break-in function is set to OFF. (default)
- ON : The break-in function is set to ON.



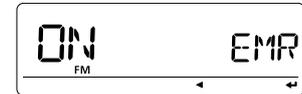
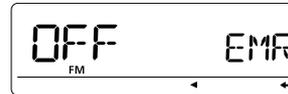
NOTE: The break-in function is turned OFF automatically when turning transceiver's power OFF

◇ EMR function

EMR

The EMR communication mode is available for digital mode operation. In the EMR communication mode, no call sign setting is necessary. When an EMR communication mode signal is received, the audio (voice) will be heard at the specified level even the volume setting level is set to minimum level, or digital call sign/digital code squelch is in use.

- OFF : The EMR function is set to OFF. (default)
- ON : The EMR function is set to ON.



NOTE: The EMR communication function is turned OFF automatically when turning transceiver's power OFF

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■ GPS mode items

◇ GPS set

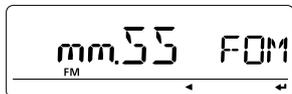
GPSSSET

The following individual settings are available in GPS set. Set them to suit your GPS operation.

- Position format

P FORM

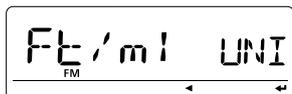
Selects the displaying position format from “mm.mm” (default) and “mm.SS.”



- Unit selection

UNITS

Selects display units for distance and elevation from “m” or “ft/ml.” (default : U.S.A. version; ft/ml, Other versions; m)



- UTC offset setting

UTC.OFF

Sets time difference from UTC (Universal Time Coordinated) within -12:00 to +12:00 range in 5 min. steps. (default: 0:00)

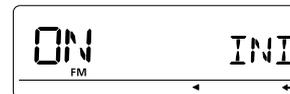


- INDIC

INDIC

Sets the GPS indicator ON and OFF. (default : ON)

- OFF : “GPS” indicator does not appear.
- ON : “GPS” indicator appears on the display when a GPS receiver is connected and a valid position data is received; blinks when an invalid data is received.



◇ GPS transmission

GPS-TX

Sets the transmission of data from a connected GPS receiver ON and OFF.

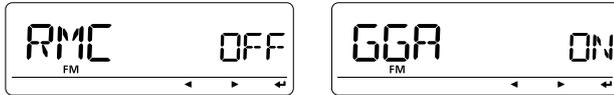
When the position information is received from a connected GPS receiver and the GPS Auto TX Timer setting (p. 000) is set to a specific time, the transceiver automatically transmits the current position and message at the set interval.

- OFF : Transmitting position data is disabled. (default)
- DVG : Transmitting position data in GPS mode.
- DVA : Transmitting position data in GPS-A mode.

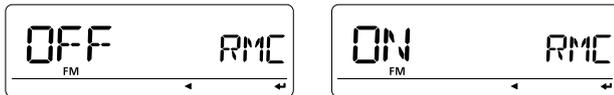


◆ **Sentence formatter setting** DVG

- ① Select “DVG” in GPS transmission item, then push [↔] (MONI) to enter the sentence formatter selection.
- ② Rotate [DIAL] to select the desired sentence formatter.
 - RMC, GGA, GLL, GSA, VTG and GSV are selectable.



- ③ Push [↔] (MONI) to enter the desired sentence formatter selection.
- ④ Rotate [DIAL] to select ON/OFF.



• **Default setting for sentence formatter**

Sentence formatter	Default	Sentence formatter	Default
RMC	OFF	GSA	OFF
GGA	ON	VTG	OFF
GLL	OFF	GSV	OFF

- ⑤ Push [↔] (MONI) to store the selection.
- ⑥ Rotate [DIAL] to select next sentence and repeat steps ② to ⑤, or push [MENU] to return to frequency indication.
 - Only four sentence formatters can be activated at the same time.

◆ **GPS-A Set mode** DVA

Enter GPS-A operation set mode by selecting “DVA” in GPS TX mode, then push [↔] (MONI). This set mode is available to set unproto address, data extension, time stamp, GPS-A symbol and comment.

- **Unproto address** UNPROT

56 characters address can be entered for unproto address.

- ① Rotate [DIAL] to select “UNPROT” then push [↔] (MONI) to enter the unproto address edit mode.
- ② Rotate [DIAL] to select the desired character.
 - “API880,DSTAR*” is preset as the default.
 - The first character blinks.
 - Push [▶] (LOW) to move the cursor right; push [◀] (CS) to move the cursor left.
 - Push [CLR] (DR) to erase the selected character, or push and hold [CLR] (DR) for 1 sec. to erase all characters following the cursor.



- ③ Repeat step ② until the desired unproto address is programmed.
- ④ Push [↔] (MONI) to program the unproto address and return to the unproto address edit mode.
- ⑤ Push [◀] (CS) to return to GPS-A set mode item indication.

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- DATA extension

DT EXT

Sets the data extension capability to "CUR.SPD" or OFF (default).

The transceiver's course and speed information is additionally transmitted with position data when "CUR.SPD" is selected.



NOTE: When "CUR.SPD" is selected, number of character for "COMMENT" is limited to 36-character.

- Time stamp

TIME

Selects transmitting time stamp type from DHM, HMS and OFF. This function can be transmitted UTC (Universal Time Coordinated) time only.

- **OFF** : No time stamp is transmitted. (default)
- **DHM** : Time stamp in the format of Day, Hour and Minute is transmitted.
- **HMS** : Time stamp in the format of Hour, Minute and Second is transmitted.



- GPS-A symbol

SYMBOL

Selects the desired GPS-A symbol.

Available symbols: AMBU (Ambulance), BUS (Bus), FIRE (Fire Truck), BICYCL (Bicycle), YACHT (Yacht), HELI (Helicopter), AIRCRA (Small Aircraft), SHIP (Power Boat), CAR (Car: default), MCYCLE (Motorcycle), BALLOO (Balloon), JEEP (Jeep), RV (Recreational Vehicle), TRUCK (Truck), VAN (Van) and OTHER (Other).



If "OTHER" is selected, set the desired symbol code as follows;

- ① Push [**←**] (MONI) to begin programming.
 - 1st character blinks.
 - "--" blinks at the 1st character and "--" appears at the 2nd character if no symbol is programmed previously.



- ② Rotate [**DIAL**] to select the 1st character from "\" and "/."
- ③ Push [**▶**] (LOW) to select the 2nd digit.
- ④ Rotate [**DIAL**] to select the 2nd digit character.
 - A-Z (capital letters), 0-9, ", #, \$, %, &, ', <, >, *, +, ,, -, ., /, :, =, ?, @ and space are available for 2nd character.

- ⑤ Push [←] (MONI) to program the symbol code, then exit programming.
- ⑥ Push [↩] (CS) to return to GPS-A set mode item indication.

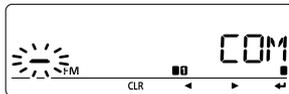
When “OTHER” is selected, check the symbol codes of APRS® and set it correctly.

- Comment COMMEN

Program up to a 43-character* comment. The programmed comment is transmitted with the GPS position data.

*36-character comment can only be programmed when “CUR.SPD” is selected in data extension.

- ① Push [F] (MONI) to enter programming.
- ② Rotate [DIAL] to select the desired character.
 - The selected character blinks.
 - Push [▶] (LOW) to move the cursor right; push [◀] (CS) to move the cursor left.
 - Push [CLR] (DR) to erase the selected character, or push and hold [CLR] (DR) for 1 sec. to erase the characters following the cursor.

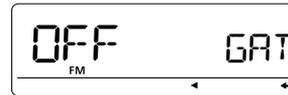


- ③ Repeat step ② until the desired comment is programmed.

- ④ Push [F] (MONI) to program the comment and exit comment programming.
- ⑤ Push [↩] (CS) to return to GPS-A set mode item indication.

◇ GPS auto transmission GPSATX

Selects the desired interval for automatic position transmission function from OFF (default), 5, 10, 30 second, 1, 3, 5, 10 and 30 minutes.



NOTE: When four sentence formatter are activated at the same time (“GPS SENTENCE” on pgs. 000, 000), “5SEC” can not be selected.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19

■ Specifications

◇ GENERAL

- Frequency coverage : (unit: MHz)

Version	TX	RX
U.S.A.	144–148, 430–450	118–173.995, 230–549.995, 810–823.990, 849–868.990, 894–999.990
CHN EXP	136–173.995*1, 400–469.995*2	118–173.995, 230–549.995, 810–999.990
KOR	144–146, 430–440	144–146, 430–440
AUS	144–148, 430–440	144–148, 430–440
TPE	144–146, 430–432	144–146, 430–432

*1Guaranteed 144–148 MHz only, *2Guaranteed 430–440 MHz only

- Type of emission : FM, AM (Receive only), DV
- Number of memory channels : 1052 (incl. 50 scan edges and 2 calls)
- Frequency resolution : 5[‡], 6.25[‡], 8.33[‡], 10, 12.5, 15[‡], 20, 25, 30, 50, 100, 200 kHz
- Operating temperature range : –10°C to +60°C; +14°F to +140°F
- Frequency stability : ±2.5 ppm (–10°C to +60°C)
- Power supply requirement : 13.8 V DC ±15%
- Current drain (at 13.8 V DC: approx.):
 - Transmit at 50 W VHF: 11.5 A*
UHF: 12.5 A*
 - * 8.0 A (at 25 W) only for the TPE version
 - Receive standby 0.9 A
(simultaneous receive) max. audio 1.2 A
- Antenna connector : SO-239 (50 Ω)
- Dimensions (proj. not included) : 150(W) × 40(H) × 199.2(D) mm
5^{29/32}(W) × 1^{3/16}(H) × 7^{27/32}(D) in
- Weight (approx.) : 1.3 kg; 2 lb 14 oz (not incl. cable)

◇ TRANSMITTER

- Modulation system :
 - FM : Variable reactance frequency modulation
 - DV (Digital) : GMSK reactance frequency modulation
- Output power : 50/15/5 W* (approx.)
*25/15/5 W only for the TPE version.
- Max. frequency deviation : ±5.0 kHz (wide)
±2.5 kHz (narrow)
- Spurious emissions : Less than –60 dB
- Microphone connector : 8-pin modular (600 Ω)

◇ RECEIVER

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 1st: 46.35 MHz, 2nd: 450 kHz
- Sensitivity (amateur bands only):
 - FM (12 dB SINAD) : Less than 0.18 μV
 - DV (BER 1%) : Less than 0.35 μV
- Squelch sensitivity[†] (threshold) : Less than 0.13 μV
- Selectivity[†] (typical) :
 - Wide : More than 10 kHz/6 dB
Less than 30 kHz/60 dB
 - Narrow : More than 6 kHz/6 dB
Less than 20 kHz/60 dB
 - DV : More than 50 dB
- Spurious and image rejection[†] : More than 60 dB
- AF output power[†] (at 13.8 V DC) : More than 2.0 W at 10% distortion with an 8 Ω load
- Ext. speaker connectors : 3-conductor 3.5 (d) mm (1/8")/8 Ω

[†]Guaranteed 144–146 or 144–148 MHz and 430–440 or 440–450 MHz ranges only.

All stated specifications are subject to change without notice or obligation.

[‡]Selectable depending on the operating frequency band.

18 SPECIFICATIONS AND OPTIONS

- Sensitivity (for RX bands— FM/AM; for your reference only):

Frequency range	FM (μV)	AM (μV)
118–136.995 MHz	0.32	1
137–173.995 MHz	0.32	1
230–259.995 MHz	1.8	5.6
260–299.995 MHz	0.56	1.8
300–349.995 MHz	0.56	1.8
350–399.995 MHz	0.56	1.8
400–499.995 MHz	0.32	1
500–549.995 MHz	0.56	1.8
810–879.990 MHz	0.71	N/A
880–999.990 MHz	0.71	N/A

■ Options

CS-80/880 CLONING SOFTWARE (free download)

Use this software to program settings such as memory channels and set mode contents quickly and easily via PC's RS-232C terminal using the data communication cable, OPC-1529R. USB type cloning cable, OPC-478UC, also available.

HM-133 REMOTE-CONTROL MICROPHONE

Remote control microphone with key backlight. Same as that supplied with the transceiver.

HM-154 HAND MICROPHONE

OPC-347/1132 DC POWER CABLES

OPC-347: 7.0 m

OPC-1132: 3.0 m Same as that supplied with the transceiver.

OPC-440 MIC EXTENSION CABLE

5.0 m

OPC-441 SPEAKER EXTENSION CABLE

5.0 m

OPC-474 CLONING CABLE

Used for data cloning between transceivers.

OPC-478UC CLONING CABLE

Used for data cloning between transceiver and PC with CS-80/880.

OPC-1529R DATA COMMUNICATION CABLE

Allows low-speed data communication in DV mode and data cloning operation with CS-80/880

SP-10 EXTERNAL SPEAKERS

For all-round mobile operation. Cable length: 1.5 m

MB-120 MOUNTING BASE

Mounts the remote controller on to variety of place in vehicle. Remote controller bracket is required for mounting.

Count on us!

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