



INSTRUCTION MANUAL

HF ALL BAND TRANSCEIVER

IC-718



Icom Inc.

IMPORTANT

READ THIS INSTRUCTION MANUAL CAREFULLY before attempting to operate the transceiver.

SAVE THIS INSTRUCTION MANUAL. This manual contains important safety and operating instructions for the IC-718.

EXPLICIT DEFINITIONS

WORD	DEFINITION
⚠ WARNING	Personal injury, fire hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	Inconvenience only. No risk of personal injury, fire or electric shock.

PRECAUTIONS

⚠ WARNING HIGH VOLTAGE! NEVER attach an antenna or internal antenna connector during transmission. This may result in an electric shock or burn.

⚠ NEVER apply AC to the [DC13.8V] jack on the transceiver rear panel. This could cause a fire or ruin the transceiver.

⚠ NEVER apply more than 16 V DC, such as a 24 V battery, to the [DC13.8V] jack on the transceiver rear panel. This could cause a fire or ruin the transceiver.

⚠ NEVER let metal, wire or other objects touch any internal part or connectors on the rear panel of the transceiver. This may result in an electric shock.

NEVER expose the transceiver to rain, snow or any liquids.

AVOID using or placing the transceiver in areas with temperatures below -10°C ($+14^{\circ}\text{F}$) or above $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$). Be aware that temperatures on a vehicle's dashboard can exceed 80°C ($+176^{\circ}\text{F}$), resulting in permanent damage to the transceiver if left there for extended periods.

AVOID placing the transceiver in excessively dusty environments or in direct sunlight.

AVOID placing the transceiver against walls or putting anything on top of the transceiver. This will obstruct heat dissipation.

During mobile operation, **DO NOT** operate the transceiver without running the vehicle's engine. When transceiver power is ON and your vehicle's engine is OFF, the vehicle's battery will soon become exhausted.

Make sure the transceiver power is OFF before starting the vehicle. This will avoid possible damage to the transceiver by ignition voltage spikes.

During maritime mobile operation, keep the transceiver and microphone as far away as possible from the magnetic navigation compass to prevent erroneous indications.

BE CAREFUL! The heatsink will become hot when operating the transceiver continuously for long periods.

BE CAREFUL! If a linear amplifier is connected, set the transceiver's RF output power to less than the linear amplifier's maximum input level, otherwise, the linear amplifier will be damaged.

Use Icom microphones only (supplied or optional). Other manufacturer's microphones have different pin assignments, and connection to the IC-718 may damage the transceiver.

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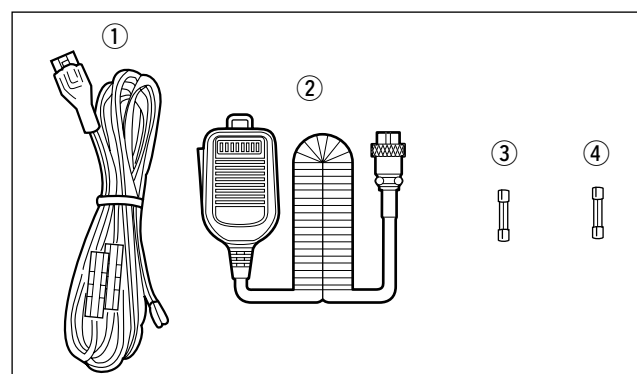
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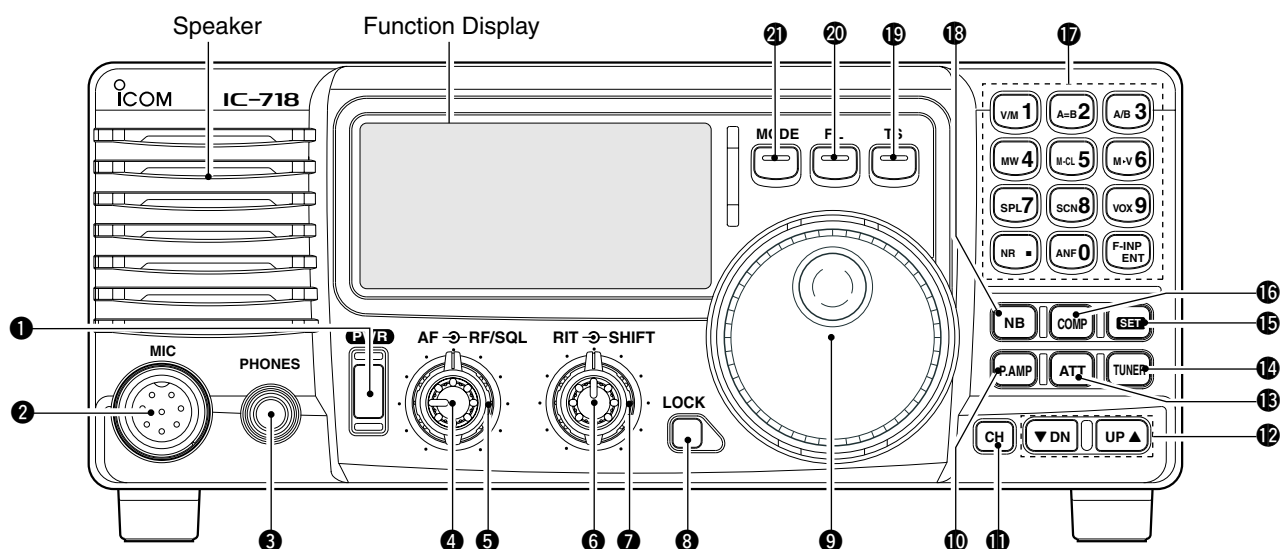
SUPPLIED ACCESSORIES

The transceiver comes with the following accessories.

	Qty.
① DC power cable	1
② Hand microphone (HM-36)	1
③ Fuse (FGB 20 A; for DC cable)	1
④ Fuse (FGB 4 A; internal use)	1



■ Front panel



1 POWER SWITCH [PWR]

- ➔ Push momentarily to turn power ON.
 - Turn the optional DC power supply ON in advance.
- ➔ Push for 1 sec. to turn power OFF.
- ➔ While pushing and holding [SET], push [PWR] to enter the initial set mode. (p. 41)

2 MICROPHONE CONNECTOR [MIC]

- Accepts supplied or optional microphone.
- See p. 55 for appropriate microphones.
 - See p. 8 for microphone connector information.

3 HEADPHONE JACK [PHONES] (p. 11)

- Accepts headphones (8 Ω).
- When headphones are connected, the internal speaker or connected external speaker does not function.

4 AF CONTROL [AF] (inner control)

Varies the audio output level from the speaker.

5 RF GAIN/SQUELCH CONTROL [RF/SQL]

(outer control; pgs. 20, 44)
Adjusts the squelch threshold level. The squelch removes noise output from the speaker (closed condition) when no signal is received.

- The squelch is available for all modes.
- The control can be set as the squelch plus RF gain controls or squelch control only (RF gain is fixed at maximum) in initial set mode.

6 RIT CONTROLS [RIT] (Inner control; p. 21)

- ➔ Shifts the receive frequency without changing the transmit frequency.
 - Rotate the control clockwise to increase the frequency,

or rotate the control counterclockwise to decrease the frequency. “**RIT**” appears on the display.

- The shift frequency range is ± 1.2 kHz.

7 IF SHIFT CONTROLS [SHIFT] (Outer control; p. 21)

Shifts the center frequency of the receiver's IF pass-band.

- Rotate the control clockwise to shift the center frequency higher, or rotate the control counterclockwise to shift the center frequency lower.

8 LOCK SWITCH [LOCK] (p. 19)

Push momentarily to turn the dial lock function ON and OFF.

- The dial lock function electronically locks the main dial.
- When the optional UT-102 VOICE SYNTHESIZER UNIT is installed (p. 49), push for 1 sec. to have the frequency, etc. announced.
- UT-102 operation can be adjusted in initial set mode (p. 46).

9 MAIN DIAL

Changes the displayed frequency, selects quick/initial set mode items, etc.

10 PREAMP SWITCH [P.AMP] (p. 21)

Push momentarily to turn the preamp ON or OFF.

11 CH SWITCH [CH] (p. 35)

Push momentarily to turn the memory channel select function ON or OFF.

- [MEMO] blinks while memory channel select function is turned on.

- Push several times (or push and hold) [▼ DN]/[UP ▲] until desired memory channel appears.
- After pushing [F-INP/ENT], push desired memory channel number from the keypad, then push [F-INP/ENT] again to select the memory channel directory.
- Push [CH] to exit the memory channel select function.

12 MEMORY CHANNEL (BAND) UP/DOWN SWITCHES [▼ DN]/[UP ▲] (p. 35)

- Push one or more times to select the memory channel, while [MEMO] indicator is blinking.
- Push to select a band.
- Push to select the quick/initial set mode items while quick/initial set mode is selected.

13 ATTENUATOR SWITCH [ATT] (p. 22)

Push to toggle the 20 dB attenuator function ON and OFF.

14 TUNER SWITCH [TUNER] (pgs. 28, 29)

- Push momentarily to toggle the automatic antenna tuner function ON/OFF.
 - An optional antenna tuner must be connected.
- Push for 1 sec. to manually tune the tuner.
 - An optional antenna tuner must be connected.
 - When the tuner cannot tune the antenna, the tuning circuit is bypassed automatically after 20 sec.

15 SET SWITCH [SET]

- Push for 1 sec. to enter the quick set mode. (p. 41)
- Pushing and holding [SET], and then push [POWER] to enter the initial set mode. (p. 41)
- Push to toggle the meter function; (p. 26)
 - PO: indicates the relative RF output power.
 - ALC: Indicates ALC level.
 - SWR: indicates the SWR over the transmission line.

16 MIC COMPRESSOR SWITCH [COMP] (p. 27)

Toggles the Mic. compressor function ON and OFF.

17 KEYPAD

The keypad can be used for several functions as described below:

- [F-INP/ENT], keypad then [F-INP/ENT].
— Direct frequency input. (pgs. 4, 7)
- [CH], [F-INP/ENT], keypad then [F-INP/ENT] then [V/M]
— Memory channel selection. (pgs. 4, 35)
- [V/M], [A=B], [A/B], [MW], [M-CL], [M▶V], [SPL], [SCAN], [VOX], [NR] (option) and [ANF] (option) switch. (p. 4)

18 NOISE BLANKER SWITCH [NB] (p. 22)

- Toggles the noise blanker ON and OFF. The noise blanker reduces pulse-type noise such as that generated by automobile ignition systems. This function is not effective against non pulse-type noise.

- Push [NB] for 1 sec to enter the noise blanker level setting condition.

19 QUICK TUNING STEP SWITCH [TS] (pgs. 18, 19)

- Selects a quick tuning step or turns the quick tuning step OFF.
 - While the quick tuning indicator (▼) is displayed, the frequency can be changed in kHz step.
- While the quick tuning step is OFF, it turns the 1 Hz step ON and OFF when pushed for 1 sec.
 - 1 Hz indication appears and the frequency can be changed in 1 Hz steps.
- While the kHz quick tuning step is selected, it enters tuning step set mode when pushed for 1 sec.

20 FILTER SWITCH [FIL] (p. 24)

- Push momentarily to toggle between the pre-programmed normal, wide and narrow IF filters for the selected operating mode.

21 MODE SWITCHES [LSB/USB]/[CW/CW-R]/[RTTY/RTTY-R]/[AM] (p. 20)

Push to toggle an operating mode.

- Push [MODE] for 1 sec. during SSB mode to toggle between LSB or USB.
- Push [MODE] for 2 sec. during CW or RTTY mode, to toggle between CW and CW reverse or RTTY and RTTY reverse. "REV" appears on the display.

IC-718 #03
(Europe)

< Intended Country of Use >

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☒DE

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☒HU

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