



BASIC MANUAL

COMMUNICATIONS RECEIVER **IC-R15**

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIODTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.

Icom Inc.

Thank you for choosing this Icom product. This product was designed and built with Icom's state of the art technology and craftsmanship. With proper care, this product should provide you with years of trouble-free operation.

■ Important

READ ALL INSTRUCTIONS carefully and completely before using the receiver.
SAVE THIS INSTRUCTION MANUAL — This instruction manual contains basic operating instructions for the IC-R15.

For advanced operating instructions, see the Advanced manual for details.

The Advanced manual can be downloaded from the following internet address:

<https://www.icomjapan.com/support/>

■ Features

- Dualwatch function that can simultaneously receive and record two different bands or modes.
- A USB connector for data transmission or battery charging
- A microSD card slot that can accept different cards to backup settings, various memories, and so on.
- Bluetooth® function that can connect to a Bluetooth® device
- Meets IPX7 requirements for waterproof protection
(When the battery, the antenna, the [↻] jack cover, [USB] cover, and the [microSD] slot cover are attached)

■ Explicit definitions

WORD	DEFINITION
⚠ DANGER!	Personal death, serious injury or an explosion may occur.
⚠ WARNING!	Personal injury, fire hazard or electric shock may occur.
CAUTION	Equipment damage may occur.
NOTE	Recommended for optimum use. No risk of personal injury, fire or electric shock.

Icom is not responsible for the destruction, damage to, or performance of any Icom or non-Icom equipment, if the malfunction is because of:

- Force majeure, including, but not limited to, fires, earthquakes, storms, floods, lightning, other natural disasters, disturbances, riots, war, or radioactive contamination.
- The use of Icom receivers with any equipment that is not manufactured or approved by Icom.

About weld lines

This product's surfaces may have streaks called "weld lines," that occur during the molding process, and are not cracks or flaws.

■ Precautions

⚠ **DANGER! NEVER** operate the receiver near unshielded electrical blasting caps or in an explosive atmosphere. This could cause an explosion and death.

⚠ **WARNING! NEVER** use or charge Icom battery packs with non-Icom receivers or non-Icom chargers. Only Icom battery packs are tested and approved for use with Icom receivers or charged with Icom chargers. Using third-party or counterfeit battery packs or chargers may cause smoke, fire, or cause the battery to burst.

⚠ **WARNING! NEVER** operate the equipment with earphones, a earphone, or other audio accessories at high volume levels. The continuous high volume operation may cause a ringing in your ears. If you experience the ringing in your ears, reduce a volume level or discontinue use.

CAUTION: DO NOT operate the receiver while driving a vehicle. Safe driving requires your full attention— anything less could result in an accident.

CAUTION: DO NOT short the terminals of the battery pack. Shorting may occur if the terminals touch metal objects such as a key, so be careful when placing the battery packs (or the receiver) in bags, and so on. Carry them so that shorting cannot occur with metal objects. Shorting may damage not only the battery pack, but also the receiver.

CAUTION: DO NOT connect the receiver directly to a power source of more than the specified DC voltage or use reverse polarity. Otherwise this will damage the receiver.

CAUTION: DO NOT operate the receiver unless the antenna, battery pack and covers are securely attached to the receiver and that the antenna and battery pack are dry before attachment. Exposing the inside to dust or water can damage the receiver. After exposure to water, clean the battery contacts thoroughly with fresh water and dry them completely to remove any water or salt residue.

CAUTION: DO NOT use harsh solvents such as Benzine or alcohol when cleaning. This could damage the equipment surfaces. If the surface becomes dusty or dirty, wipe it clean with a soft, dry cloth.

CAUTION: DO NOT place or leave the receiver in direct sunlight or in areas with temperatures below -20°C (-4°F) or above $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$).

CAUTION: DO NOT change the internal settings of the equipment. This may reduce equipment performance and/or cause extensive and expensive damage to the equipment. The equipment warranty does not cover any problems caused by unauthorized internal adjustments.

NEVER place in an insecure place to avoid inadvertent use by unauthorized persons.

BE CAREFUL! The receiver meets IPX7* requirements for waterproof protection. However, once the receiver has been dropped, or the waterproof seal is cracked or damaged, the waterproof protection cannot be guaranteed.

* Only when the BP-287, the antenna, [↻] jack cover, [USB] cover, and [microSD] slot cover are attached.

Even when the receiver power is OFF, a slight current still flows in the circuits. Remove the battery pack or batteries from the receiver when not using it for a long time. Otherwise, the installed battery pack or batteries will become exhausted, and will need to be recharged or replaced.

The LCD display may have cosmetic imperfections that appear as small dark or light spots. This is not a malfunction or defect, but a normal characteristic of LCD displays.

■ Battery cautions

Misuse of Li-ion batteries may result in the following hazards: smoke, fire, or the battery may rupture. Misuse can also cause damage to the battery or degradation of battery's performance.

⚠ **DANGER! NEVER** incinerate used battery packs. Internal battery gas may cause an explosion.

⚠ **DANGER! NEVER** strike or otherwise impact the battery pack. Do not use the battery pack if it has been severely impacted or dropped, or if the pack has been subjected to heavy pressure. Battery pack damage may not be visible on the outside of the case. Even if the surface of the battery does not show cracks or any other damage, the cells inside the battery may rupture or catch fire.

⚠ **DANGER! NEVER** leave the battery pack in places with temperatures above 60°C (140°F). High temperature buildup in the battery cells, such as could occur near fires or stoves, inside a sun-heated vehicle, or in direct sunlight for long periods of time, may cause the battery cells to rupture or catch fire. Excessive temperatures may also degrade the pack's performance or shorten the battery cell's life.

⚠ **DANGER! NEVER** place battery packs near a fire. Fire or heat may cause them to rupture or explode. Dispose of used battery packs in accordance with local regulations.

⚠ **DANGER! NEVER** solder the battery terminals, or **NEVER** modify the battery pack. This may cause heat generation, and the battery may burst, emit smoke or catch fire.

⚠ **DANGER! NEVER** let fluid from inside the battery get in your eyes. This can cause blindness. Rinse your eyes with clean water, without rubbing them, and immediately go to a doctor.

⚠ **WARNING! NEVER** use deteriorated battery packs. They could cause a fire.

⚠ **WARNING! NEVER** let fluid from inside the battery cells come in contact with your body. If it does, immediately wash with clean water.

⚠ **WARNING! NEVER** put the battery pack in a microwave oven, high-pressure container, or in an induction heating cooker. This could cause a fire, overheating, or cause the battery cells to rupture.

CAUTION: DO NOT expose the battery pack to rain, snow, saltwater, or any other liquids. Do not charge or use a wet pack. If the pack gets wet, be sure to wipe it dry cloth before using.

CAUTION: DO NOT continue to use the battery pack if it emits an abnormal odor, heats up, or is discolored or deformed. If any of these conditions occur, contact your Icom dealer or distributor.

CAUTION: DO NOT use the battery pack out of the specified temperature range -20°C ~ +60°C (-4°F ~ +140°F). Using the battery out of this range will reduce its performance and battery cell's life.

CAUTION: DO NOT leave the pack fully charged, completely discharged, or in an excessive temperature environment (above 50°C, 122°F) for an extended period of time. Otherwise, a shorter battery pack life could occur. If the battery pack must be left unused for a long time, it must be detached from the receiver after discharging. You may use the pack until the remaining capacity is about half, then keep it safely in a cool, dry place in the following temperature range:

-20°C (-4°F) ~ +50°C (+122°F) (within a month).
-20°C (-4°F) ~ +40°C (+104°F) (within three months).
-20°C (-4°F) ~ +20°C (+68°F) (within a year).

BE SURE to replace the battery pack with a new one approximately five years after manufacturing, even if it still holds a charge. The material inside the battery cells will become weak after a period of time, even with little use. The estimated number of times you can charge the pack is between 300 and 500. Even when the pack appears to be fully charged, the operating time of the receiver may become short when:

- Approximately 5 years have passed since the pack was manufactured.
- The pack has been repeatedly charged.

The battery cells may deteriorate and swell due to their characteristics if used in an environment and conditions such as: frequently charged, recharged immediately after full charge, used or saved in a hot place, or charged by methods other than the instructions. If the battery pack swells, it has reached the end of its life due to deterioration. Replace it with a brand new one.

■ Charging cautions

⚠ **DANGER! NEVER** charge the battery pack in areas with extremely high temperatures, such as near fires or stoves, inside a sun-heated vehicle, or in direct sunlight. In such environments, the safety/protection circuit in the pack will activate and stop the charging.

⚠ **WARNING! NEVER** charge the receiver during a lightning storm. It may result in an electric shock, cause a fire, or damage the receiver. Always disconnect the power adapter before a storm.

⚠ **WARNING! NEVER** charge or leave the battery in the battery charger beyond the specified time for charging. If the pack is not completely charged by the specified time, stop charging and remove it from the battery charger. Continuing to charge the pack beyond the specified time limit may cause a fire, overheating, or the battery may rupture.

⚠ **WARNING!** Occasionally observe the battery pack condition while charging. If any abnormal condition occurs, discontinue using the battery pack.

CAUTION: DO NOT insert the receiver (battery attached to the receiver) into the charger if it is wet or soiled. This could corrode the battery charger terminals or damage the charger. The charger is not waterproof.

CAUTION: DO NOT charge the battery pack outside of the specified temperature range: 15°C ~ 40°C (59°F ~ 104°F). Icom recommends charging the pack at 25°C (77°F). The pack may heat up or rupture if charged out of the specified temperature range. Additionally, battery performance or battery life may be reduced.

■ FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this device, not expressly approved by Icom Inc., could void your authority to operate this device under FCC regulations.

Internal Bluetooth unit information:

FCC ID: 2AMWOFSC-BT1036C
IC: 23872-FSCBT1036C

For Canada:

This device contains licence-exempt receiver(s) that comply with Innovation, Science and Economic Development Canada (ISED)'s licence-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

■ Disposal



The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.

■ About CE and DOC



Hereby, Icom Inc. declares that the versions of IC-R15 which have the "CE" symbol on the product, comply with the essential requirements of the Radio Equipment Directive, 2014/53/EU, and the restriction of the use of certain hazardous substances in electrical and electronic equipment Directive, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address:
<https://www.icomjapan.com/support/>

■ Recommendation

CLEAN THE RECEIVER THOROUGHLY IN A BOWL OF FRESH WATER after exposure to saltwater, and dry it before operating. Otherwise, the receiver's keys and switches may become unusable, due to salt crystallization, and/or the charging terminals of the battery pack may corrode.

NOTE: If the receiver's waterproof protection appears defective, carefully clean it with a soft, damp (fresh water) cloth, then dry it before operating. The receiver may lose its waterproof protection if the case, jack cap, or connector cover is cracked or broken, or the receiver has been dropped. Contact your Icom distributor or your dealer for advice.

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This product includes "mbed TLS" open source software, and is licensed according to the open source software license.

Refer to the "About the Licenses" page at the end of the manual in English for information on the open source software being used in this product.

■ Operating theory

Electromagnetic radiation, which has frequencies of 20,000 Hz (20 kHz*) and above, is called radio frequency (RF) energy because, it is useful in radio transmissions. The IC-R15 receives RF energy from 76.000 MHz* to 500.000 MHz for the European version, or from 88.000 MHz* to 500.000 MHz for the USA version and converts it into audio frequency (AF) energy which in turn actuates a loudspeaker to create sound waves.

AF energy is in the range of 20 to 20,000 Hz.

* kHz is an abbreviation of kilohertz or 1000 hertz, MHz is abbreviation of megahertz or 1,000,000 hertz, where hertz is a unit of frequency.

■ Operating notes

The IC-R15 may receive its own oscillated frequency, resulting in no reception or only noise reception, on some frequencies.

The IC-R15 may receive interference from extremely strong signals on different frequencies or when using an external high-gain antenna.

■ Supplied accessories



Antenna



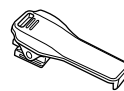
Hand strap



USB cable
(Type-A/Type-C)



Battery pack



Belt clip

NOTE: Some accessories are not supplied, or the shape is different, depending on the receiver version.

■ Important notes

◇ Spurious signals

You may hear some noises caused by spurious signals generated in the receiver's circuit but they do not indicate a receiver malfunction.

◇ Noise signals while charging

You may hear some noises caused by signals generated in the charging circuit. Be sure to turn OFF the receiver before charging.

◇ Scanning in the Dualwatch operation

The Dualwatch function simultaneously monitors 2 frequencies.

For example, if you are receiving in the AM mode on one band and scanning on the other band, you may hear noise due to voltage fluctuations when switching frequencies because the 2 receiving circuits share the antenna on the IC-R15. However, this is not a receiver malfunction.

◇ Time Setting

IC-R15 does not have the function to automatically set the time. We recommend you set the time from the SET mode before operating.

([MENU] > SET > Time Set > **Date/Time**)

- ① CS-R15 PROGRAMMING SOFTWARE (purchase separately) can automatically set the time.

■ About the IC-R15 manuals

You can use the following manuals to understand and operate this receiver.

(As of February 2024)

TIP:

You can download each manual and guide from the Icom website:

<https://www.icomjapan.com/support/>
Enter "IC-R15" into the Search box on the site.

To read the manuals or Guide, Adobe® Acrobat® Reader® is required. If you have not installed it, download and install Adobe® Acrobat® Reader® from Adobe Systems Incorporated's website.

Basic manual (This manual)

Instructions for the basic operations, precautions and specifications.

Basic manual (in English, comes with the receiver)

Instructions for the basic operations, precautions and specifications in English.

Advanced manual (PDF type)

Instructions for the advanced operations, as shown below.

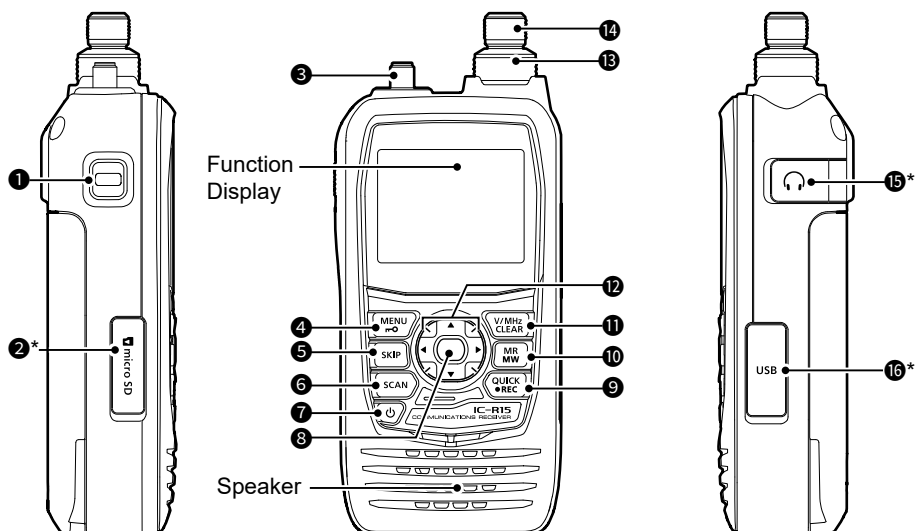
- Battery operation
- Using a microSD card
- Memory operation
- FM Radio operation
- Scan operation
- Recording the received audio
- Set mode
- Other functions
- Firmware updating
- Options

CI-V Reference Guide (PDF type)

Describes the control commands used in remote control operation (serial communication using CI-V).

TABLE OF CONTENTS

■ Front, top, and side panels



*Close the covers firmly when not in use.

① SQUELCH KEY [SQL]

- While pushing, rotate [DIAL] to adjust the squelch level.
- Push or hold down to turn the Monitor function ON or OFF.

② microSD CARD SLOT [microSD]

Insert a microSD card (User supplied).

③ ANTENNA CONNECTOR

Connect the supplied antenna.

④ MENU • LOCK KEY [MENU]/[

- Push to open the MENU screen.
- Hold down for 1 second to turn the Lock function ON or OFF.

⑤ SKIP KEY [SKIP]

- While the VFO scan is paused, push to enter a Skip channel group or a Temporary skip frequencies.
- In the Memory mode, push to enter a Skip channel (SKIP or PSKIP).
- While the Memory scan is paused, push to enter a Skip channel (SKIP or PSKIP) or the Temporary skip frequencies.

⑥ SCAN KEY [SCAN]

- Push to open the Scan type Select window.
- Hold down for 1 second to start the last selected scan.

7 POWER KEY [⏻]

- Hold down for 1 second to turn the receiver ON or OFF.
- When "Screen Capture [PWR] Key" is set to "ON," push to capture the receiver screen onto a microSD card.
([MENU] > SET > Function > **Screen Capture [PWR] Key**)

8 ENTER KEY [ENT]

Push to set the selected item or option.

9 QUICK MENU • RECORDING KEY [QUICK]/[•REC]

- Push to open the Quick Menu window.
- Hold down for 1 second to start or stop the voice recording.

10 MEMORY • SELECT MEMORY WRITE KEY [MR]/[MW]

- Push to enter the Memory mode.
- Hold down for 1 second to open the Memory Write window.

11 VFO/MHz • CLEAR KEY [V/MHz]/[CLEAR]

- Push to enter the VFO mode.
- In the VFO mode, push to select 1 MHz tuning steps.
- In the MENU screen, push to select an upper-tier menu.
- Push to delete an entered character.

12 D-PAD (UP)/(DOWN)/(LEFT)/(RIGHT) KEYS

D-pad(↑)/D-pad(↓)

- Push to change the MAIN band.
- In the MENU screen or the Quick Menu window, push to move the option or value selector bar up.
- Hold down for 1 second to turn the Dualwatch function ON or OFF.

D-pad(←)/D-pad(→)

- Push to select the receive band or the Memory group.
- In the MENU screen, push to select a menu item.

13 VOLUME CONTROL [VOL]

Rotate to adjust the audio level.

14 CONTROL DIAL [DIAL]

- Rotate to select an operating frequency.
- In the Memory mode, rotate to select a Memory channel.
- Rotate to select a setting item or value.
- In the Character Entry mode, rotate to enter characters.

15 SPEAKER JACK [🔊]

Connect an optional earphone.

Speaker plug: 3.5 mm (1/8 inch)

- ① Confirm that the receiver is OFF before connecting or disconnecting optional equipment.

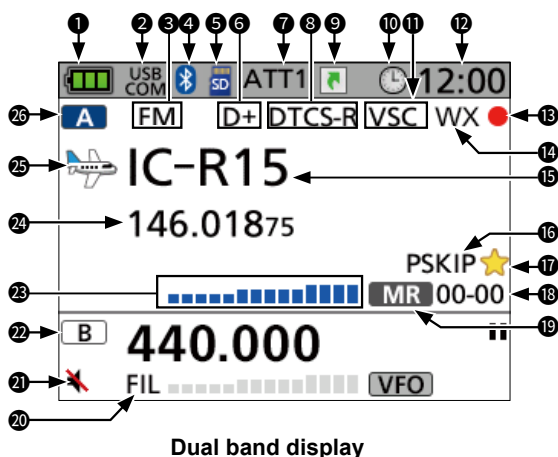
16 USB PORT (Type-C) [USB]

Connects to an external power source, a PC, or other USB devices.

- ① Not compatible with USB Power Delivery.

1 PANEL DESCRIPTION

■ Function display



Single band display



FM Radio mode on the A band

① BATTERY ICON

Displays the current capacity of the attached battery pack.

① " " is displayed when the optional battery case is attached.

② USB CONNECTION INDICATOR

Displayed when a USB device is connected through a USB cable, and "USB Connect" is set to "Serialport." ([MENU] > SET > Function > **USB Connect**)

③ RECEIVE MODE ICONS

Displays the selected receive mode.

④ Bluetooth® ICON

Displayed when a Bluetooth device is connected.

⑤ microSD ICON

- Displayed when a microSD card is inserted.
- Blinks while accessing the microSD card.

⑥ DUPLEX ICONS

- D+: Displayed during plus duplex operation.
- D-: Displayed during minus duplex operation.

⑦ ATTENUATOR ICON

Displayed when the attenuator is ON.

⑧ TONE ICONS

Displayed when the tone function is ON.

⑨ SIMPLE MODE ICON

Displayed when operating in the Simple mode.



⑩ AUTO POWER OFF ICON

Displayed when the Auto Power OFF function is ON.

11 VSC/FM RADIO ATTENUATOR ICONS

- VSC: Displayed when the Voice Squelch Control function is ON.
- ATT: Displayed when the attenuator is ON in the FM Radio mode.

12 CLOCK DISPLAY**13 RECORD ICONS**

- : Displayed while recording.
- : Displayed while recording is paused.

14 WEATHER ALERT ICON

Displayed when the Weather Alert function is ON. (For only the USA version)

15 MEMORY NAME DISPLAY

Displays the memory name, if entered.

16 SKIP ICONS

- SKIP: Displayed when Memory Skip is selected.
- PSKIP: Displayed when Program Skip is selected.

17 FAVORITE CHANNEL




Displayed when a Favorite channel is selected.

18 MEMORY CHANNEL NUMBER

Displays the selected Memory group and Memory channel number.

19 MODE ICON

Displayed the Frequency Selecting mode.

- : VFO mode
- : Memory mode
- : Weather Channel mode (For only the USA version)



20 AF FILTER ICON

Displayed when the AF filter function is ON.

21 SUB BAND MUTE

Displayed when "Sub Band Mute" is set to "Mute" or "Mute & Beep".
([MENU] > SET > Sounds > **Sub Band Mute**)

22 B BAND ICON

- : Displayed when the B band is the MAIN band.
- : Displayed when the B band is the SUB band.

23 S METER

Displays the relative signal strength of the received signal.



24 FREQUENCY READOUT

Displays an operating frequency.

25 CATEGORY ICON

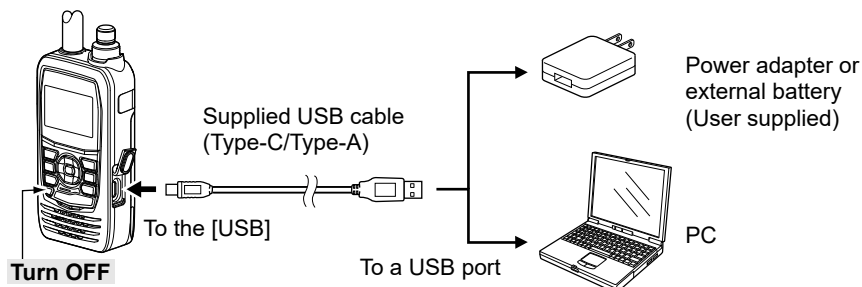
Displayed the selected category icon.

26 A BAND ICON

- : Displayed when the A band is the MAIN band.
- : Displayed when the A band is the SUB band.

■ Charging the battery pack

Charging time: Approximately 4 hours with 5V/1A input



① See the Advanced manual about the optional battery packs and chargers.

NOTE:

- USB Power Delivery (USB PD) is not supported.
- Before using the receiver for the first time, the battery pack must be fully charged for optimum life and operation.
- **BE SURE** to turn OFF the receiver while charging. Otherwise, the attached battery pack cannot be charged.
- While charging, the charging icon "⚡" and "Charging...." are displayed.
- The icon and "Charging...." disappear when the battery pack is fully charged.
- You may not be able to charge:
 - Depending on your USB cable or power adapter.
 - When using a USB hub or connecting to a low output USB port.
- Charging time may differ, depending on the USB port.

◇ Capacity of the battery pack

ICON	BATTERY STATUS
	The battery has sufficient capacity.
	The battery is exhausted a little.
 (green)	The battery is nearing exhaustion.
 (red)	The battery is almost fully exhausted. ① Immediately charge the battery pack. Otherwise, the icon will soon start blinking, "LOW BATTERY" will be displayed, and the receiver will automatically turn OFF.

■ Turning ON the receiver

- Hold down [⏻] for 1 second to turn ON the receiver.
 - After the opening message and the remaining battery capacity are displayed, the receiving frequency is displayed.
- Hold down [⏻] for 1 second again to turn OFF the receiver.

■ Adjusting the audio level

- Rotate [VOL] to adjust the audio level.
- ① The audio level is displayed while adjusting.

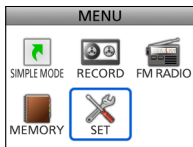
■ MENU screen

You can open the MENU screen by pushing [MENU].

You can use the MENU screen to set infrequently changed values or function settings.

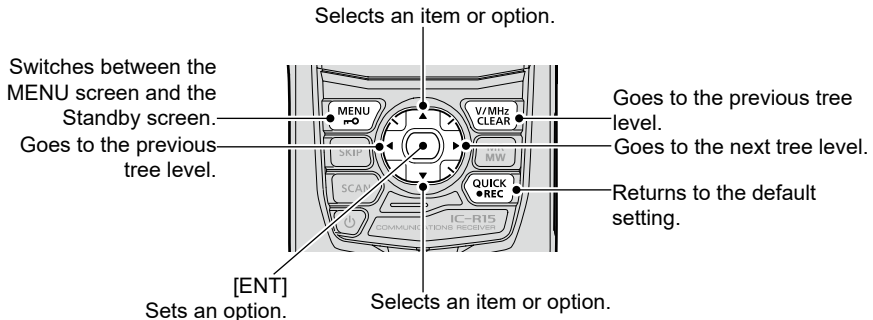
See the appendix for the MENU item list.

For details of each item, see the Advanced manual.



TIP: The MENU screen is constructed in a tree structure. You may go to the next tree level, or go back a level, depending on the selected item.

◇ MENU screen operation



- ① On the MENU screen, you can select an item by pushing D-pad(↑↓←→).

Simplified description—'Select' operation

In this manual, user's 'Select' operation is simplified, as described below.

Simplified description:

1. Push [MENU].
2. Select "30min."

Operation:

1. Push [MENU] to open the MENU screen.
2. Push D-pad(↓↑) to select "30min," and then push [ENT].

3 BASIC OPERATION

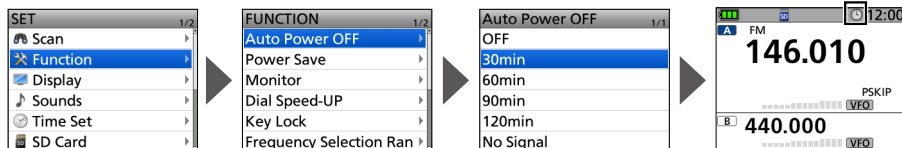
◇ Selecting a Menu item

Example: Set "Auto Power OFF" to "30 min."

[MENU] > SET > Time Set > **Auto Power OFF**

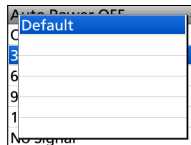
1. Push [MENU].
 2. Select "SET."
 3. Select "Function."
 4. Select "Auto Power OFF."
 5. Select "30min."
 - Sets the option, then goes back to a tree level. (The FUNCTION screen is displayed.)
- ① To exit the MENU screen, push [MENU].

The Auto Power OFF icon is displayed.



TIP: To return to the default setting

1. Push [QUICK] in step 5.
 2. Select "Default."
 - The setting returns to the default.
- ① The default settings of each item are described in the Advanced manual.



■ Quick Menu window

You can open the Quick Menu window by pushing [QUICK]. In the window, the selectable items may differ, depending on the receive mode or function. The items listed below are examples.



[QUICK]

VFO mode	Memory mode	Weather CH mode*2
Select Band	Favorite Mode	Weather Alert
MODE	Select Category/Group	Battery Status
DUP	Memory Selection Range	<<Start REC>>
TONE*1	MODE	<<FM Radio Mode>>*3
VSC*1	DUP	<<B Band>>*4
TS	TONE*1	<<Dualwatch OFF>>*5
ATT	VSC*1	
AF Filter	TS	FM Radio mode
Weather Alert*2	ATT	Select Group*6
Battery Status	AF Filter	SKIP*6
<<Start REC>>	Add to Favorites	SKIP Select Mode*6
<<FM Radio Mode>>*3	SKIP	ATT
<<B Band>>*4	Weather Alert*2	FM Radio ATT
<<Dualwatch OFF>>*5	Battery Status	Weather Alert*2
	<<Start REC>>	Battery Status
	<<FM Radio Mode>>*3	<<Start REC>>
	<<B Band>>*4	<<Exit FM Radio Mode>>
	<<Dualwatch OFF>>*5	<<B Band>>*4
		<<Dualwatch OFF>>*5

*1 For only FM/FM-N.

*2 For only the USA version.

*3 For only A band.

*4 When the B band is the MAIN band, "<<A Band>>" is displayed.

*5 When the Dualwatch function is OFF, "<<Dualwatch ON>>" is displayed.

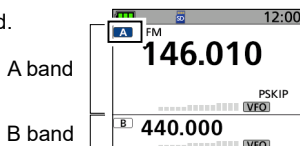
*6 For only the FM Radio memory mode.

3 BASIC OPERATION

■ Dualwatch operation

The Dualwatch function simultaneously monitors 2 frequencies. The IC-R15 has 2 independent receiver circuits, A and B bands. You can set different frequencies or receive modes in each band.


- ① When the Dualwatch function is ON, the audio output may be interrupted when the frequency is switched while scanning, or by other factors.
- ① The FM Radio mode can be selected only for the A band.



Dual band display
(The Dualwatch function is ON)

◇ Turning Dualwatch ON or OFF

Hold down D-pad(↓↑) for 1 second to turn the Dualwatch function ON or OFF.

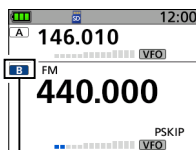
- When the Dualwatch function is ON, the display shows the A band in the upper half and the B band in the lower half of the display.
 - ① **A** or **B** is displayed on the MAIN band, where you can change the settings.
 - ① The SUB band can be automatically muted.
([MENU] > SET > Sounds > **Sub Band Mute**)
When you select, "Mute" or "Mute & Beep,"  is displayed.
- When the Dualwatch function is OFF, the display shows only the MAIN band. Push D-pad(↓↑) to select the other band.



◇ MAIN band selection

Push D-pad(↓↑) to alternately set the A or B bands as the MAIN band.

- **A** or **B** is displayed on the MAIN band, where you can change the settings.
- ① Band selection, receive frequency setting, receive mode selection, Memory channel selection, and the Memory Write operation can be made only on the MAIN band.



■ Receiving

◇ Selecting the Frequency Selecting mode

VFO mode

Rotate [DIAL] to set an operating frequency.

① In the VFO mode, **VFO** is displayed.

Memory mode

Select a Memory channel where an operating frequency and other parameters are saved.

① In the Memory mode, **MR** and the Memory Channel number are displayed.

Weather Channel mode (For only the USA version)

Weather Channels are used for monitoring Weather Channels from the National Oceanographic and Atmospheric Administration (NOAA) broadcasts.

① In the Weather Channel mode, **WX** is displayed.

FM Radio mode

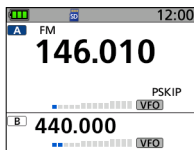
You can listen to FM Radio broadcasts.

1. Select a mode.

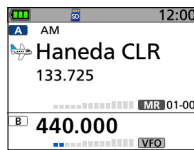
① Information

- Push [V/MHz] to select the VFO mode.
- In the VFO mode, push [V/MHz] to select the 1 MHz tuning step.
- Push [MR] to select the Memory mode.
- For only the USA version, push [MR] in the Memory mode to select the Weather Channel mode.
- Push [QUICK], and then select "<<FM Radio Mode>>" to turn ON the FM radio.

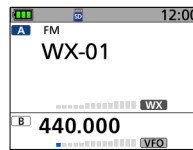
2. Rotate [DIAL] to select an operating frequency or a channel.



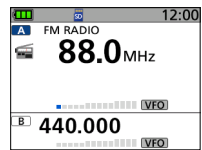
VFO mode



Memory mode



Weather Channel
mode



FM Radio mode

◇ Selecting the receive mode

1. Push [QUICK] to select the receive mode.
 2. Select "MODE."
- ① The receiver has 4 receive modes, FM, FM-N, AM, and AM-N.

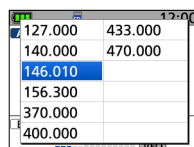
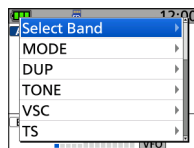


FM mode

3 BASIC OPERATION

◇ Selecting the receive band

1. Push [V/MHz] to select the VFO mode.
2. Push [QUICK].
3. Select "Select Band."
4. Select the receive band.
 - Sets the receive band, then returns to the Standby screen.



■ Setting a squelch level

Noise squelch enables the audio to be heard only while receiving signals that are stronger than the set level. A higher level blocks weak signals, and receives only stronger signals. A lower level receives weaker signals.

- ① Throughout this document, "Noise squelch" is called simply "Squelch."

While holding down [SQL], rotate [DIAL] to select the squelch level.

① Information

- Options: "OPEN," "AUTO" (default), and "LEVEL 1" ~ "LEVEL 9."
- "LEVEL 1" is a loose squelch (for weak signals) and "LEVEL 9" is a tight squelch (for strong signals).
- "AUTO" is an automatic level adjustment using a noise pulse counting system.
- "OPEN" is the continuously open setting.
- In the FM Radio mode, you can adjust up to "LEVEL 3".



Automatic squelch



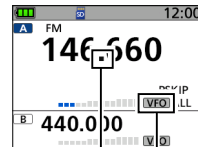
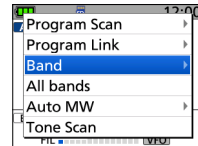
Maximum squelch level

Scanning is a versatile function that can automatically search for signals. A scan makes it easier to locate stations to contact or listen to, or to skip unwanted channels or frequencies.

In the VFO mode, the VFO scan searches a signal within the specified frequency range. In the Memory mode, the memory scan searches a signal on the preregistered memory channels.

■ Starting or canceling the scan

- ① Set the VFO mode or memory mode before starting the scan.
1. Push [SCAN].
 - Opens the Scan Type Select window.
 - ① If you hold down [SCAN] for 1 second, the last selected scan starts.
2. Select a scan type.
 - The scan starts.
 - In the VFO mode, the decimal point and the selected Scan Type icon blink.
 - In the Memory mode, the decimal point and the Memory icon blink.
 - ① When receiving a signal, the S-meter displays the received signal strength.
 - ① Rotate [DIAL] to change the scanning direction.
3. Push [CLEAR] to cancel the scan.



Blinks

3

4

◇ General

- Frequency coverage:

[A band], [B band]	108.000000 ~ 500.000000 MHz
[BC band (FM Radio)]	EUR version 76.000000 ~ 108.000000 MHz
	USA version 88.000000 ~ 108.000000 MHz
- Receive modes:

FM/FM-N/WFM*1/AM/AM-N

- Operating temperature range:

–20°C ~ +60°C, –4°F ~ +140°F

- Frequency stability:

±2.5 ppm or less (–20°C ~ +60°C, –4°F ~ +140°F)

- Frequency resolution:

5, 6.25, 8.33*2, 10, 12.5, 15, 20, 25, 30, 50, 100, 125, 200 kHz
--
- Number of memory channels:

2000 (in 100 groups)
+ 325 (Scan edges: 25 pairs,
Auto Memory Write: 200, and Scan Skip: 100)
- Power supply requirement:

5.0 V DC (±5%) (Using the supplied USB cable)
3.6 V DC (Using the supplied battery pack)
4.5 V DC (Using the battery case)
- Antenna impedance:

50 Ω nominal Unbalanced

- Dimensions (Projections not included):

58 (W) × 116 (H) × 33.8 (D) mm,
2.3 (W) × 4.6 (H) × 1.3 (D) in
- Weight (approximate):

260 g, 9.2 oz
(Including battery pack and antenna)

*1 For only the FM radio mode.

*2 For only VHF AIR band (108.000 MHz ~ 136.991 MHz).

① All stated specifications are typical and subject to change without notice or obligation.

◇ Receiver

- Receive system: Double superheterodyne
- Intermediate frequencies:
 - [A band] 1st 58.050 MHz, 2nd 0.450 MHz
 - [B band] 1st 57.150 MHz, 2nd 0.450 MHz

- Sensitivity for all versions:

Mode	Frequency range (MHz)	Sensitivity (dBμ)	Squelch Sensitivity (dBμ)
AM (10 dB S/N)	108.000 ~ 142.000	0 or less	0 or less
	222.000 ~ 249.995	0 or less	0 or less
	250.000 ~ 299.995	5 or less	5 or less
	300.000 ~ 400.000	3 or less	3 or less
FM (12 dB SINAD) (1 kHz/±3.5 kHz DEV)	108.000 ~ 249.995	-8 or less	-8 or less
	250.000 ~ 299.995	-3 or less	-3 or less
	300.000 ~ 500.000	-5 or less	-5 or less
FM Radio (12 dB S/N) (1 kHz/±52.5 kHz DEV)	76.000 ~ 108.000	0 or less	5 or less

- Selectivity:
 - AM/FM 50 dB or more
 - WFM 35 dB or more
- Audio output power (3.6 V):
 - External speaker 0.12 W or more (8 Ω load, at 10% distortion)
 - Internal speaker 0.4 W or more (8 Ω load, at 10% distortion)
- Power consumption
(3.6 V, FM, Single band display, Recording function OFF, Backlight OFF):
 - Receiving 380 mA typical
 - Standby 150 mA typical
 - Power saving 80 mA typical

◇ Bluetooth

- Version: Bluetooth Version 5.2
- Transmission Output: Class 1
- Profile: HFP Version 1.8
- The maximum number of paired Bluetooth devices: 1 device

MENU SCREEN ITEMS

MENU SCREEN ITEMS

SIMPLE MODE	
Favorite	
Category/Group	
	(No Category)
	Category name (Example:Aviation)
Band	
FM Radio	
	FM Radio Memory
	Frequency
<<Scan>>	
	Favorite
	Category/Group
	Band
RECORD	
<<REC Start>>	
Play Files	
Recorder Set	
	RX REC Condition
	File Split
	REC Operation
Player Set	
	Skip Time
FM RADIO	
MEMORY	
Memory CH	
	(No Category)
	Category name (Example:Aviation)
	Auto MW CH
	SKIP CH
	<<Add Category>>
FM Radio Memory	
	A ~ Z

SET > Scan	
Pause Timer	
Resume Timer	
Temporary Skip Timer	
Program Skip	
Program Scan Edge	
Program Link	
Auto MW SCAN Memory Clear	
Group Link	
DUP Check During MR Scan	
SET > Function	
Auto Power OFF	
Power Save	
Monitor	
Dial Speed-UP	
Key Lock	
Frequency Selection Range	
Memory Selection Range	
CI-V	
	CI-V Address
	CI-V Baud Rate (SP Jack)
	CI-V Transceive
	CI-V Echo Back (USB Jack)
	CI-V USB→REMOTE Transceive Address
USB Connect	
Heterodyne	
Screen Capture [PWR] Key	
Screen Capture File Type	

SET > Display
Backlight
Backlight Timer
Brightness
Dim Screen
Dim Timer
Brightness (Dim)
RX Backlight (Except Radio)
Scroll Speed
Opening Message
Battery Level (Power ON)
Display Type
Display Language
System Language
SET > Sounds
Volume Select
Earphone Mode
Beep Level
Beep/Vol Level Link
Key-Touch Beep
Scan Stop Beep
Sub Band Mute
SET > Time Set
Date/Time
SET > SD Card
Load Setting
Save Setting
Import/Export
Import
Export
CSV Format
Opening Picture
SD Card Info
Screen Capture View
Firmware Update
Format
Unmount

SET > Bluetooth Set
Bluetooth
<<Pairing>>
Headset Set
AF Output
Auto Disconnect
Bluetooth Device Information
Initialize Bluetooth Device
SET > Others
Information
Battery
Version
Clone
Clone Mode
Reset
Partial Reset
All Reset

