



BASIC MANUAL

COMMUNICATIONS RECEIVER IC-R30

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

Icom Inc.



Thank you for choosing this Icom product. This product is 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 important operating instructions for the IC-R30.

For advanced features and instructions, see **ADVANCED MANUAL** on the Icom website for details.

■ Features

- Dualwatch function that can simultaneously receive and record two different bands or modes*
* DV/DV, AM/AM, FM-N/FM-N, and DV/FM-N mode dualwatch is not available.
- Covers 0.100 MHz to 3304.99999 MHz for wide band reception
- Receives various digital modes such as D-STAR, APCO P25 (Phase 1), NXDN, dPMR, and DCR (Digital Convenience Radio)
- A USB connector for data transmission or battery charging
- Bluetooth® function that can connect to a Bluetooth® device such as the VS-3
- Built-in GPS receiver to check your current location
- Meets IP57 requirements for dust-protection and waterproof protection (When the battery, antenna, jack cap, and the 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	If disregarded, inconvenience only. 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.

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NXDN is a trademark of Icom Incorporated and JVC KENWOOD Corporation.

dPMR is a trademarks of the dPMR MoU Association.

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The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Icom inc. is under license.

Other trademarks and trade names are those of their respective owners.

■ 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.

■ IC-R30 and Bluetooth® Interference

Bluetooth uses the 2.4 GHz band. When using the IC-R30 in the 2.4 GHz band near a Bluetooth device, interference may occur. This may cause a decrease in communication speed, and an unstable connection.

In such case, use the IC-R30 away from the Bluetooth device communication area, or stop using the Bluetooth device.

■ Information FCC

Cet équipement a été testé et reconnu conforme aux limites fixées pour un appareil numérique de classe B, conformément au point 15 de la réglementation FCC. Ces limites ont été fixées afin d'assurer une protection raisonnable contre les interférences nocives dans une installation résidentielle.

Cet équipement génère, utilise et peut émettre un rayonnement de fréquence radio. S'il n'a pas été installé conformément aux instructions, il peut par ailleurs créer des interférences perturbant les communications radio. Toutefois, il n'y a aucune garantie que les interférences ne se produiront pas dans une installation particulière.

Si cet équipement crée des interférences perturbant la réception de la radio ou de la télévision, comme cela peut être déterminé en éteignant et en allumant l'équipement, l'utilisateur est invité à essayer de corriger l'interférence en prenant une ou plusieurs des mesures ci-après:

- Réorienter ou changer de place l'antenne de réception.
- Éloigner l'équipement et le récepteur.
- Connecter l'équipement sur une prise sur un autre circuit que celui sur lequel le récepteur est connecté.
- Faire appel au revendeur ou à un technicien radio/TV expérimenté.

MISE EN GARDE: Tout changement ou modification, non expressément approuvé par Icom Inc., peut annuler l'autorisation de l'utilisateur à utiliser cet appareil conformément à la réglementation FCC.

■ IC-R30 et interférences Bluetooth®

Bluetooth utilise la bande de 2,4 GHz. Si vous utilisez l'IC-R30 dans la bande de 2,4 GHz à proximité d'un appareil Bluetooth, ceci peut provoquer des interférences. Ceci peut réduire le débit de communication et rendre la connexion instable.

Dans ce cas, utilisez l'IC-R30 à distance suffisante de la zone de communication de l'appareil Bluetooth ou cessez d'utiliser l'appareil Bluetooth.

■ 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 a headset 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, reduce the volume level or discontinue use.

⚠ **WARNING! NEVER** 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 dry before and after being securely attached. Confirm that the antenna and battery pack are dry before attaching. 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 $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$).

BE CAREFUL! The receiver meets IP57* requirements for dust-protection and waterproof protection. However, once the receiver has been dropped, waterproof protection cannot be guaranteed because of possible damage to the receiver's case or the waterproof seal.

* Only when the BP-287 and antenna are attached and [SP/USB] cover and [microSD] slot cover are closed.

NOTE: 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.

■ Précautions

⚠ **DANGER! N'utilisez JAMAIS** le récepteur à proximité de détonateurs électriques non blindés ou dans une atmosphère explosive. Cela pourrait causer une explosion mortelle.

⚠ **AVERTISSEMENT! N'utilisez JAMAIS et ne rechargez JAMAIS** des blocs-batteries Icom avec des récepteurs non-Icom ou des chargeurs non-Icom. Seuls les blocs-batteries Icom sont testés et homologués pour une utilisation avec les récepteurs Icom ou être chargés avec les chargeurs Icom. L'utilisation de blocs-batteries ou de chargeurs tiers ou de contrefaçon peut être à l'origine de fumées, d'incendie ou peut faire éclater la batterie.

⚠ **AVERTISSEMENT! N'utilisez JAMAIS** l'équipement avec un casque ou tout autre accessoire audio à un niveau sonore élevé. L'utilisation continue à un niveau sonore élevé peut provoquer un bourdonnement dans vos oreilles. Si vous entendez un bourdonnement baissez le niveau du volume ou interrompez l'utilisation.

⚠ **AVERTISSEMENT! N'utilisez JAMAIS** le récepteur en conduisant un véhicule. La sécurité de la conduite requiert toute l'attention du conducteur — toute défaillance peut être à l'origine d'un accident.

ATTENTION: NE PAS court-circuiter les bornes du bloc-batterie. Un court-circuit peut se produire si les bornes touchent des objets métalliques, tels que des clés, faites donc attention lorsque vous rangez les blocs-batteries (ou le récepteur) dans des sacs, etc. Transportez-les de telle sorte que des courts-circuits ne peuvent se produire avec des objets métalliques. Car cela peut endommager le bloc-batterie ainsi que le récepteur.

ATTENTION: NE PAS NE branchez PAS directement le récepteur à une source d'alimentation de tension CC supérieure à celle spécifiée, ou N'inversez PAS la polarité. Cela endommagerait le récepteur.

ATTENTION: NE PAS N'utilisez PAS le récepteur à moins que l'antenne, le bloc-batterie et les couvercles soient secs avant et après leur mise en place. Vérifiez que l'antenne et le bloc-batterie sont secs avant de les fixer. Exposer l'intérieur à la poussière ou à l'eau peut endommager le récepteur. Après tout contact avec de l'eau, nettoyez soigneusement les contacts de la batterie à l'eau courante et séchez-les complètement afin d'éliminer l'eau ou les dépôts de sel.

ATTENTION: N'utilisez PAS de solvants agressifs tels que du benzène ou de l'alcool lors du nettoyage. Cela risque d'endommager les surfaces de l'équipement. Si la surface est poussiéreuse ou sale, nettoyez-la avec un tissu doux et sec.

ATTENTION: NE PAS placer ou laisser le récepteur en plein soleil ou dans des zones dans lesquelles les températures sont inférieures à -20°C (-4°F) ou supérieures à $+60^{\circ}\text{C}$ ($+140^{\circ}\text{F}$).

MISE EN GARDE! Le récepteur répond aux exigences de la norme IP57* en matière de protection contre la poussière et d'étanchéité. Toutefois, lorsque le récepteur est tombé, l'étanchéité ne peut pas être garantie, en raison des risques de dommages affectant le boîtier ou le joint d'étanchéité du récepteur.

* Uniquement lorsque le BP-287 et l'antenne sont connectés et que le couvercle de la [SP/USB] et de la [microSD] sont fermés.

REMARQUE: Même lorsque le récepteur est hors tension, un léger courant circule encore dans les circuits. Retirez le bloc-batterie ou les batteries du récepteur lorsque vous ne l'utilisez pas pendant une longue période. Dans le cas contraire, le bloc-batterie ou les batteries installées se déchargent, et auront besoin d'être rechargées ou remplacées.

■ Battery and charging cautions

◆ 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** 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** place or leave the battery pack in areas 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 pack's performance or shorten the battery cell's life.

⚠ **DANGER! NEVER** place or leave battery packs near 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 get medical treatment from an eye doctor. **NEVER** disassemble the battery pack.

⚠ **WARNING! NEVER** use the battery if it emits an abnormal odor, heats up, or is discolored or deformed. In any of these conditions occur, contact your Icom dealer or distributor.

⚠ **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 before using.

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

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) (for a month)

-20°C (-4°F) ~ +40°C (+104°F) (for three months)

-20°C (-4°F) ~ +20°C (+68°F) (for a year).

NOTE: 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 material 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 battery appears to be fully charged, the operating time of the receiver may become short when:

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

◆ 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. Otherwise the safety/protection circuit in the battery will activate, causing the battery cells to stop charging.

⚠ **DANGER! 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! DO NOT** 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 the battery from the battery charger. Continuing to charge the battery beyond the specified time limit may cause a fire, overheating, or the battery may rupture.

⚠ **CAUTION: DO NOT** insert the receiver with the battery pack attached into the charger if they are 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.

■ Charge de la batterie

◆ Mise en garde concernant la batterie

Une mauvaise utilisation des batteries au Li-ion présente les risques suivants : dégagement de fumée, incendie ou éclatement de la batterie. Une mauvaise utilisation peut également endommager la batterie ou en dégrader ses performances.

⚠ DANGER! NE JAMAIS cogner ou provoquer d'autres chocs sur le bloc-batterie. Ne pas utiliser un bloc-batterie qui a reçu un choc important, qui est tombé au sol ou qui a été soumis à de fortes pressions. Les dommages subis par un bloc-batterie peuvent ne pas être visibles de l'extérieur. Même si la surface de la batterie ne semble pas fissurée ou endommagée, les cellules à l'intérieur de la batterie peuvent se rompre ou prendre feu.

⚠ DANGER! NE JAMAIS placer ou laisser le bloc-batterie dans des lieux dans lesquels les températures sont supérieures à +60 °C (+140 °F). La montée en température de la batterie, comme cela peut survenir à proximité de flammes ou de poêles, à l'intérieur d'un véhicule exposé au soleil, ou en plein soleil pendant une période prolongée peut causer une rupture des cellules ou enflammer la batterie. Les températures excessives peuvent également dégrader les performances du bloc ou réduire la durée de vie des cellules de la batterie.

⚠ DANGER! NE JAMAIS placer ou laisser des blocs-batteries près du feu. La chaleur ou des flammes peuvent provoquer un éclatement ou une explosion. Mettez au rebut les blocs-batteries usagés conformément à la réglementation locale.

⚠ DANGER! NE JAMAIS souder les bornes de la batterie ou bien **NE JAMAIS** modifier le bloc-batterie. Ceci peut provoquer une surchauffe de la batterie, qui risque alors d'éclater, de fumer ou de prendre feu.

⚠ DANGER! NE JAMAIS laisser du liquide provenant de la batterie de la batterie entrer en contact avec vos yeux. Cela peut causer une cécité. Rincez-vous abondamment les yeux à l'eau courante, sans les frotter et consultez immédiatement un médecin pour un traitement médical. **NE JAMAIS** ouvrir la batterie.

⚠ AVERTISSEMENT! NE JAMAIS utiliser la batterie si elle dégage une odeur anormale, si elle surchauffe, si elle est décolorée ou déformée. Si l'une de ces situations se produit, contactez votre revendeur ou distributeur Icom.

⚠ AVERTISSEMENT! NE JAMAIS laisser du liquide provenant de l'intérieur des cellules de la batterie entrer en contact avec votre corps. Si cela se produit, rincez abondamment avec de l'eau propre.

⚠ AVERTISSEMENT! NE JAMAIS mettre le bloc-batterie dans un four à micro-ondes, un récipient haute-pression ou dans un appareil de cuisson à induction. Ceci peut provoquer un incendie, une surchauffe ou conduire à la rupture des cellules de la batterie.

AMISE EN GARDE: NE PAS exposer le bloc-batterie à la pluie, à la neige, à l'eau salée, ou à tout autre liquide. Ne pas charger ou utiliser un bloc humide. Si un bloc est humide, veillez à l'essuyer complètement avant de l'utiliser.

ATTENTION: NE PAS utiliser le bloc-batterie hors de la plage de température spécifiée, -20 °C ~ +60 °C (-4 °F à +140 °F). Cela réduirait la performance du bloc et la durée de vie des cellules de la batterie.

ATTENTION: NE PAS laisser le bloc à pleine charge, entièrement déchargé, ou dans un environnement à température excessive (supérieure à 50 °C, 122 °F) pendant une période prolongée. Dans le cas contraire, la durée de vie du bloc-batterie peut être réduite. Si vous prévoyez de ne pas utiliser le bloc-batterie pendant une période prolongée, retirez-le du récepteur après qu'il soit déchargé. Vous pouvez utiliser le bloc jusqu'à ce que la capacité soit environ réduite de moitié, puis le conserver en sécurité dans un endroit frais et sec dans la plage de température suivante :

-20 °C (-4 °F) ~ +50 °C (122 °F) (pendant un mois)
-20 °C (-4 °F) ~ +40 °C (+104 °F) (pendant trois mois)
-20 °C (-4 °F) ~ +20 °C (+68 °F) (pendant un an).

REMARQUE: Remplacez le bloc-batterie par un neuf environ cinq ans après sa fabrication, même s'il conserve une charge. Les matériaux présents à l'intérieur du matériau de la batterie se détériorent après un certain temps, même en cas d'utilisation réduite. L'estimation du nombre de fois que vous pouvez recharger le bloc est comprise entre 300 et 500. Même lorsque la batterie semble chargée complètement, le temps de fonctionnement du récepteur peut être réduit si :

- Environ cinq ans se sont écoulés depuis que la batterie a été fabriquée.
- Le bloc a été chargé de nombreuses fois.

◆ Mises en garde concernant la charge

⚠ DANGER! NE JAMAIS charger le bloc-batterie à des endroits exposés à des températures extrêmement élevées, comme à proximité de flammes ou de poêles, à l'intérieur d'un véhicule exposé au soleil, ou en plein soleil. Dans le cas contraire, le circuit de sécurité/protection à l'intérieur de la batterie s'activera, provoquant l'arrêt de la charge.

⚠ DANGER! NE JAMAIS charger le récepteur durant un orage. Cela risquerait de provoquer un choc électrique, un incendie ou d'endommager le récepteur. Toujours débrancher l'adaptateur d'alimentation avant une tempête.

⚠ AVERTISSEMENT! NE JAMAIS recharger ou laisser la batterie dans le chargeur de batterie au-delà du temps spécifié pour la charge. Si le bloc n'est pas complètement chargé après le temps spécifié, interrompez la recharge et retirez la batterie du chargeur de batterie. En continuant à charger la batterie au-delà du temps spécifié, vous pouvez provoquer un incendie, une surchauffe ou détériorer la batterie.

⚠ AVERTISSEMENT! NE PAS insérer le récepteur avec le bloc-batterie fixé dans le chargeur s'ils sont humides ou sales. Ceci peut corroder les bornes du chargeur de la batterie ou endommager le chargeur. Le chargeur n'est pas étanche.

ATTENTION: NE PAS charger le bloc-batterie hors de la plage de température spécifiée : 15 °C ~ 40 °C (59 °F ~ 104 °F). Icom recommande de charger la batterie à 25 °C (77 °F). Le bloc peut surchauffer ou être détérioré s'il est chargé hors de la plage de température spécifiée. Par ailleurs, ceci peut réduire les performances ou la longévité de la batterie.

■ 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, switches, and controllers 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.

■ 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-R30 receives RF energy from 0.100 MHz* to 3304.99999 MHz 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-R30 may receive its own oscillated frequency, resulting in no reception or only noise reception, on some frequencies. The IC-R30 may receive interference from extremely strong signals on different frequencies or when using an external high-gain antenna.

■ Voice coding technology

The AMBE+2™ voice coding Technology embodied in this product is protected by intellectual property rights including patent rights, copyrights and trade secrets of Digital Voice Systems, Inc. This voice coding Technology is licensed solely for use within this Communications Equipment. The user of this Technology is explicitly prohibited from attempting to extract, remove, decompile, reverse engineer, or disassemble the Object Code, or in any other way convert the Object Code into a human-readable form. U.S. Patent Nos. #8,595,002, #8,359,197, #8,315,860, #8,200,497, #7,970,606 and #6,912,495 B2.

■ About CE and DOC



Hereby, Icom Inc. declares that the versions of IC-R30 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: <http://www.icom.co.jp/world/support>

■ Disposal



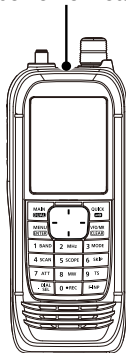
The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose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

■ Important notes

◇ When using the GPS receiver

- The GPS receiver is installed under the receiver's top panel. Therefore, when the GPS receiver is activated, do not cover the top with anything that will block the satellite signals.

The GPS receiver is installed here.



- GPS signals cannot pass through metal objects. When using the receiver inside a vehicle, you may not receive GPS signals. We recommend you use it near a window.
- The GPS receiver may not work if used in the following locations:
 1. Tunnels or high-rise buildings
 2. Underground parking lots
 3. Under a bridge or viaduct
 4. In remote forested areas
 5. Under bad weather conditions (rainy or cloudy day)
- The Global Positioning System (GPS) is built and operated by the U.S. Department of Defense. The Department is responsible for accuracy and maintenance of the system. Any changes by the Department may affect the accuracy and function of the GPS system.

◇ 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.

■ About the IC-R30 manuals

The following manuals are supplied for your IC-R30.

◇ Basic manual (This manual)

Instructions for the basic operations, precautions.

◇ Advanced manual (PDF on the Icom website)

Instructions for the advanced operations, as shown below.

- Battery operation*
- Using a microSD card*
- Recording the received audio*
- Memory operation*
- GPS operation*
- Menu screen*
- Other functions*
- Bluetooth® operation*
- Firmware updating
- Options*
- Specifications

① This manual can be downloaded from the Icom website.

*Only the basic instructions are described in this manual.

TIP:

You can download each manual from the Icom website:

<http://www.icom.co.jp/world/support>

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

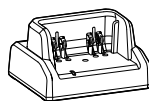
■ Supplied Accessories



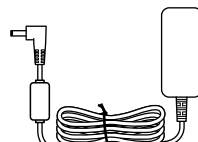
Antenna



Battery pack



Rapid charger



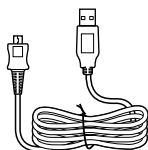
Power adapter



Hand strap



Belt clip



USB cable
(A-microB type)

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

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■ Attaching the supplied accessories

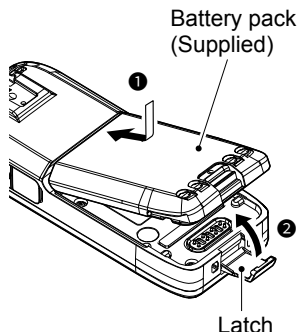
◇ Battery pack

Attach (❶ → ❷) or detach the battery pack or battery case.

- ❶ Turn OFF the receiver before attaching or detaching the battery pack.

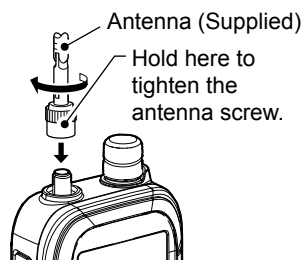
NOTE:

- **BE CAREFUL!** Do not break your finger nail.
- Even when the receiver is OFF, a small current still flows in the receiver. Remove the battery pack or case from the receiver when not using it for a long time. Otherwise, the batteries in the pack or the case will become exhausted.



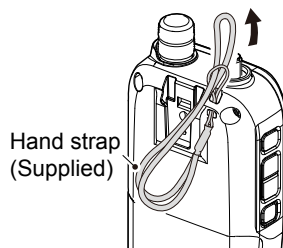
◇ Antenna

Connect the supplied antenna to the connector. This receiver has an SMA type antenna connector.



◇ Hand strap

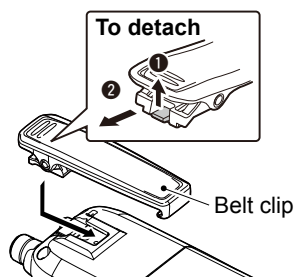
⚠ **WARNING! NEVER** swing the receiver by holding the hand strap. This can cause injury to yourself or others.



◇ Belt clip

To attach the belt clip, slide the belt clip in the direction of the arrow until the belt clip locks in place, and makes a 'click' sound.

To detach the belt clip, lift the tab up (❶), and slide the belt clip in the direction of the arrow (❷).

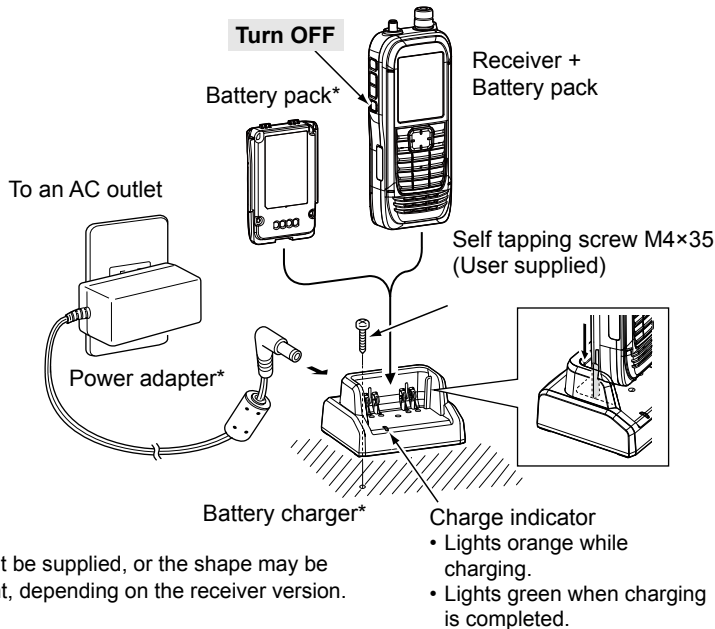


■ Charging the battery pack

Prior to using the receiver for the first time, the battery pack must be fully charged for optimum life and operation.

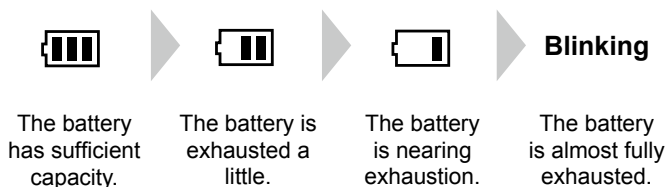
NOTE:

- **BE SURE** to turn OFF the receiver before charging the battery pack. Otherwise the attached battery pack cannot be charged completely, or it will take much longer to charge.
- The battery pack becomes hot while charging.
- After the charging is completed, the battery life will be approximately 8.3 hours when the Dualwatch function is ON (A band: continuously receiving, B band: standing by), the Power Save function is set to "Auto (Short)," the internal speaker's volume is set to "20," the GPS function is ON, and the Bluetooth function is OFF.
- Depending on your receiving environment, the receiver may be effected by the switching noise generated from the power adapter. Keep the receiver away from the power adapter.



■ Charging time and the capacity of the battery pack

Charging time*: Approximately 4 hours when using the BC-223



* Depending on your receiving situation.

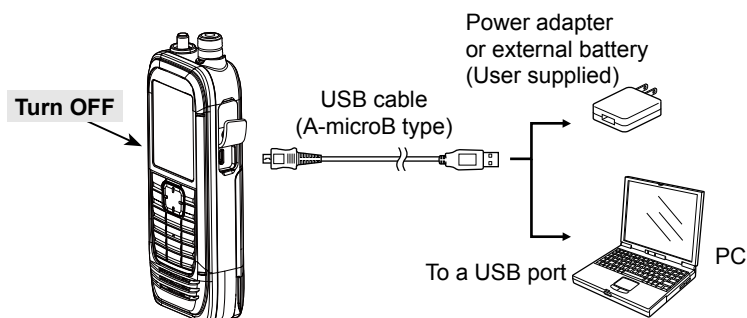
1 PREPARATION

■ Charging with a USB cable

You can charge the battery pack with the supplied USB cable (A-microB type).

NOTE:

- **BE SURE** to turn OFF the receiver before charging the battery pack. Otherwise the attached battery pack cannot be charged completely, or it will take much longer to charge.
 - If you use a third party USB cable, 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 is approximately 5 hours when using the supplied USB cable and 1 A output USB port, and the temperature is 25°C (77°F).
- Charging time may differ, depending on the USB port.



Count on us!

