COMMUNICATIONS RECEIVER

**IC-R30**

Decodes Digital Protocols

- **P25, NXDN™, DMR™, D-STAR, DCR**
- **Wideband Coverage**
- **USB Charging and microSD Card Slot**
- **0.1 – 3304.999 MHz**

**DUAL WATCH**

Receives and Decodes Various Digital Protocols

- **AF rated power 330 mA typical**
- **GPS OFF, Bluetooth OFF**
- **2000 regular (100 groups), 200 auto memory write scan,**
- **FM, AM, D-STAR (DV), P25, dPMR, NXDN, DCR**
- **AF rated power 330 mA typical**
- **GPS OFF, Bluetooth OFF**
- **2000 regular (100 groups), 200 auto memory write scan,**
- **FM, AM, D-STAR (DV), P25, dPMR, NXDN, DCR**

**SPECIFICATIONS**

**GENERAL**

- **Frequency coverage**
  - A band: 130.0000 – 174.9999 MHz, 260.0000 – 380.0000 MHz
  - B band: 3.500000 – 3.999990 MHz
- **Power supply**
  - 5.0 V DC ±5% (USB)
- **Battery life**
  - 8 hours 20 minutes (Approximate)
- **Dimensions**
  - 5.0 (W) × 2.3 (H) × 1.2 (D) in (127 × 58 × 30 mm)

**OPTIONS**

- **Power supply**
  - 3.6 V (with BP-297), 3.6 V DC ±5% (USB)
- **Battery life**
  - 8 hours 20 minutes (Approximate)
- **Weight**
  - 350 g (with USB port and 20 A-BP-47 battery pack)

**RECEIVER**

- **Receiving system**
  - Triple conversion superheterodyne + Down converter (A band except WFM)
- **Sensitivity**
  - 1µV (1% BER), More than 150 kHz/−6 dB
- **Audio output**
  - Internal 4.4 Ω, Max 100 mW, External 4.4 Ω, Max 100 mW
- **Audio output**
  - Internal 4.4 Ω, Max 100 mW, External 4.4 Ω, Max 100 mW

**PROGRAMMING SOFTWARE**

- **CS-R80 Programming software for a Windows® PC**

**PROGRAMMING SOFTWARE**

- **CS-R80 Programming software for a Windows® PC**

**POWER SUPPLY**

- **Power supply**
  - 5.0 V DC ±5% (USB)
- **Battery life**
  - 8 hours 20 minutes (Approximate)
- **Dimensions**
  - 5.0 (W) × 2.3 (H) × 1.2 (D) in (127 × 58 × 30 mm)

**INTERFACE**

- **Digital protocol**
  - P25, NXDN™, DMR™, D-STAR, DCR

**COMMUNICATIONS RECEIVER**

**ICOM INC.**

Decodes Digital Protocols

- **P25, NXDN™, DMR™, D-STAR, DCR**
- **Wideband Coverage**
- **USB Charging and microSD Card Slot**
- **0.1 – 3304.999 MHz**
Digital and Analog Wideband Communications Receiver with Dualwatch and Dual Band Recording Functions

### Superior Performance

**Decodes Digital Protocols**

The IC-R30 decodes various digital protocol signals, including P25 (Phase 1), NXDN™, dPMR™, and D-STAR.*

**0.1–3304.999 MHz Wideband Coverage**

The IC-R30 covers a wide frequency range from 0.1 to 3304.999 MHz, and receives conventional analog signals.*

**Dualwatch Operation**

The radio can receive on different bands and modes. You can scan for other active stations on the B band, while receiving the main signal on the A band.

**Integrated GPS Receiver**

The IC-R30 scans approximately 200 channels per second on the A, B, and C bands, and 150 channels per second in the B band. You can quickly find and lock in to a desired signal. The IC-R30 has variety of scan functions.

**Convenient Features**

**High Speed Scan – 200 Channels/Second**

The IC-R30 scans approximately 200 channels per second on the A, B, and C bands, and 150 channels per second in the B band. You can quickly find and lock in to a desired signal. The IC-R30 has variety of scan functions.

**Near station scan**

Using GPS location information and the Memory channels, the IC-R30 can display and scan up to 50 stations within 160 km; 99.4 ml from your current location, in proximity order.

**Auto memory write scan**

Automatically stores received frequencies (up to 200 Ch) during a Programmed scan.

**Priority scan**

Checks for signals on a frequency every 5 seconds, while operating on a VFO frequency or scanning.

**Band scope function**

The band scope function enables you to visually search a specified frequency range around the received signal and see the relative received signal strength level. You can jump to the desired signal on the band scope to set the radio to that frequency.

**Speech function**

The Speech function reads out the operating frequency and mode when you rotate the dial knob, or press the [SPEECH] button. This function is convenient for making radio adjustments with the Bluetooth® headset without having to look at the radio.

**GPS position**

**IPS7 rugged construction**

The IC-R30 has superior IPS7 rugged protection (1 m depth of water for 30 minutes). It can be used in harsh outdoor environments. The radio also passes MIL-STD-810-G specifications.

**Up to 8.3 Hours of Long Battery Life**

The supplied BP-287 Li-ion battery pack provides 8 hours and 20 minutes of operation. The optional BP-293 battery pack, with AA (LR6) alkaline cells, can be used in as a convenient backup battery.*

**FCC/NTIA compliance**

The IC-R30 has superior FCC/NTIA compliance. The Speech function reads out the operating frequency and mode when you rotate the dial knob, or press the [SPEECH] button. This function is convenient for making radio adjustments with the Bluetooth® headset without having to look at the radio.

**MicroSD Card Slot for Voice and Data Storage**

You can use a microSD card® for data storage. Recording/playback of received audio, RX history log, radio settings and GPS logger data can all be loaded onto the microSD card.

**Wireless Operation with a Bluetooth® Headset**

With the optional VS-3 Bluetooth® headset, you can wirelessly receive audio. The VS-3 has volume UP/DOWN buttons and four programmable buttons to remotely control certain functions.

**Communications Receiver**

**IC-R30**

The IC-R30 features a microSD card slot, which allows you to record voice and data. It also has a built-in GPS receiver and can display current location information. The radio supports various digital protocols, including P25 (Phase 1), NXDN™, dPMR™, and D-STAR. It has a wide frequency range of 0.1–3304.999 MHz and can receive both analog and digital signals.

**Digital and Analog Wideband Communications Receiver**

- **0.1–3304.999 MHz Wideband Coverage**
- **Dualwatch Operation**
- **Integrated GPS Receiver**
- **Convenient Features**
- **High Speed Scan – 200 Channels/Second**
- **Near station scan**
- **Auto memory write scan**
- **Priority scan**
- **Band scope function**
- **Speech function**
- **GPS position**
- **IPS7 rugged construction**
- **Up to 8.3 Hours of Long Battery Life**
- **FCC/NTIA compliance**
- **MicroSD Card Slot for Voice and Data Storage**
- **Wireless Operation with a Bluetooth® Headset**

**Supplied accessories**

- Li-ion battery pack BP-887
- Digital charger DC-322
- AC-adapter DC-1235ASE
- USB cable for charging and data transfer
- Detachable antenna
- Belt clip

**CS-R30 Optional Programming Software**

Using the CS-R30, you can smoothly edit the following settings on a PC:

- Memory channels
- Auto memory write channel groups
- Program scan link name
- Radio settings and digital settings

**Communications Receiver**

**IC-R30**

- **0.1–3304.999 MHz Wideband Coverage**
- **Dualwatch Operation**
- **Integrated GPS Receiver**
- **Convenient Features**
- **High Speed Scan – 200 Channels/Second**
- **Near station scan**
- **Auto memory write scan**
- **Priority scan**
- **Band scope function**
- **Speech function**
- **GPS position**
- **IPS7 rugged construction**
- **Up to 8.3 Hours of Long Battery Life**
- **FCC/NTIA compliance**
- **MicroSD Card Slot for Voice and Data Storage**
- **Wireless Operation with a Bluetooth® Headset**

**Supplied accessories**

- Li-ion battery pack BP-887
- Digital charger DC-322
- AC-adapter DC-1235ASE
- USB cable for charging and data transfer
- Detachable antenna
- Belt clip