



IC-R30 Control Center

USER MANUAL

Android • Phone & Tablet • Bluetooth CI-V • Spectrum • Demo Mode



Edition for application 1.1.0-569
July 2026

About this manual

This manual describes IC-R30 Control Center version 1.1.0-569. Some controls may be arranged differently depending on screen size and orientation.

IC-R30 Control Center is an independent project and is not an official Icom Inc. application or product.

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1. Introduction and requirements

The application extends operation of the Icom IC-R30 wideband receiver by moving key information and controls to an Android device.

- phone or tablet running Android 10 or later
- Bluetooth on the Android device
- Icom IC-R30 with Bluetooth Serial Port function set to CI-V
- CI-V address 9Ch and Echo Back ON
- Demo Mode can be used without a receiver

2. Installation and first start

- Install from Google Play or the supplied APK package.
- Grant the required Bluetooth permissions on first start.
- Select PL or EN in SETTINGS.
- Enable Demo Mode to explore the application without a radio.

3. Bluetooth CI-V connection

Pair the IC-R30 in Android Bluetooth settings first. Open the application and select the receiver in connection settings.

Setting	Recommended value
Bluetooth Serialport Function	CI-V

CI-V Address	9Ch
Echo Back	ON
CI-V Transceive	ON when changes made on the receiver must appear in the app

4. HOME, FULL and BIG



HOME - essential receiver operation.

HOME shows frequency, channel name, S-meter, mode, VFO and the most frequently used controls.



FULL - extended receiver information.

FULL is intended for operation requiring simultaneous access to tuning step, ATT, RF/AF/SQL levels and memory information.



BIG - maximum frequency and signal readability.

BIG is useful in a vehicle and when the screen is viewed from a distance.

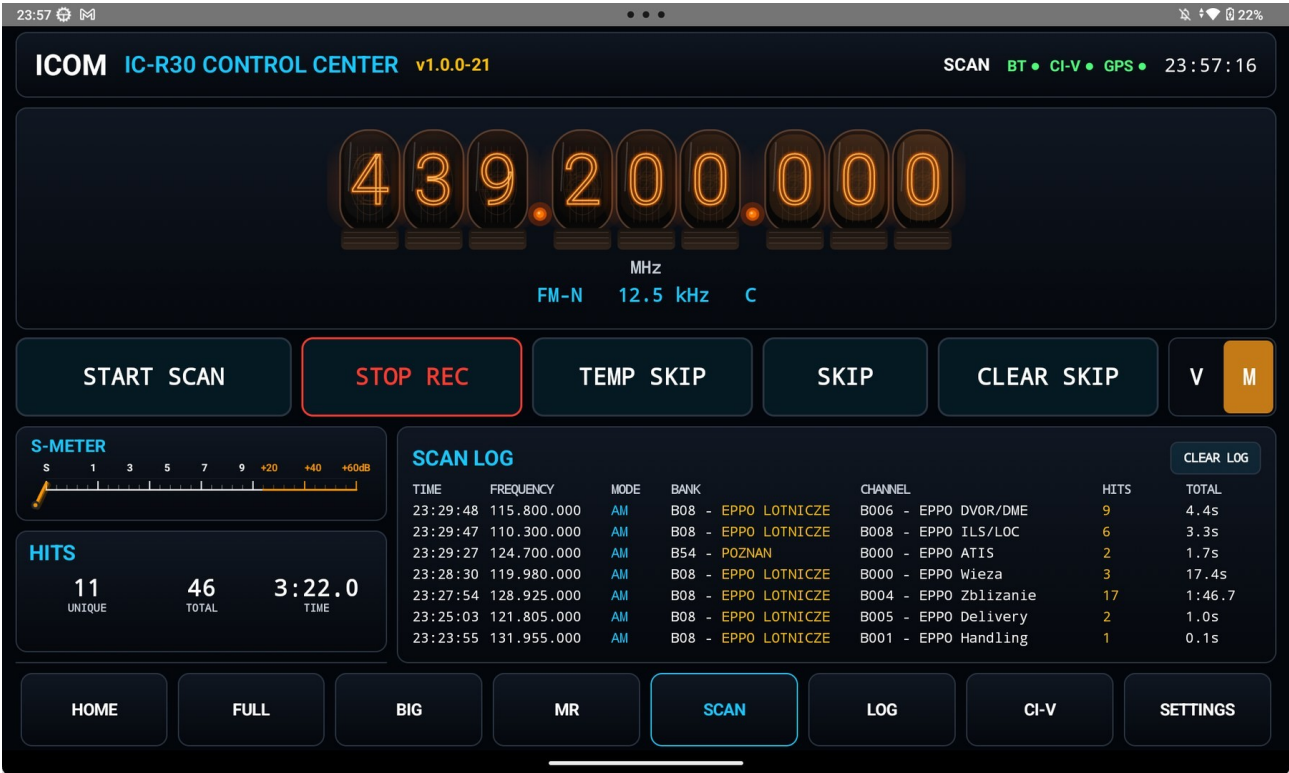
5. Memory Manager (MR)



MR memory bank and channel list.

- select memory banks and channels
- view frequency, name and mode
- tap an entry to tune the receiver
- memory synchronization is performed on demand

6. SCAN, Last Heard and Scan Log



SCAN Dashboard on a tablet.

SCAN Dashboard combines scan type selection, START/STOP control, current range status, S-meter and hit history.

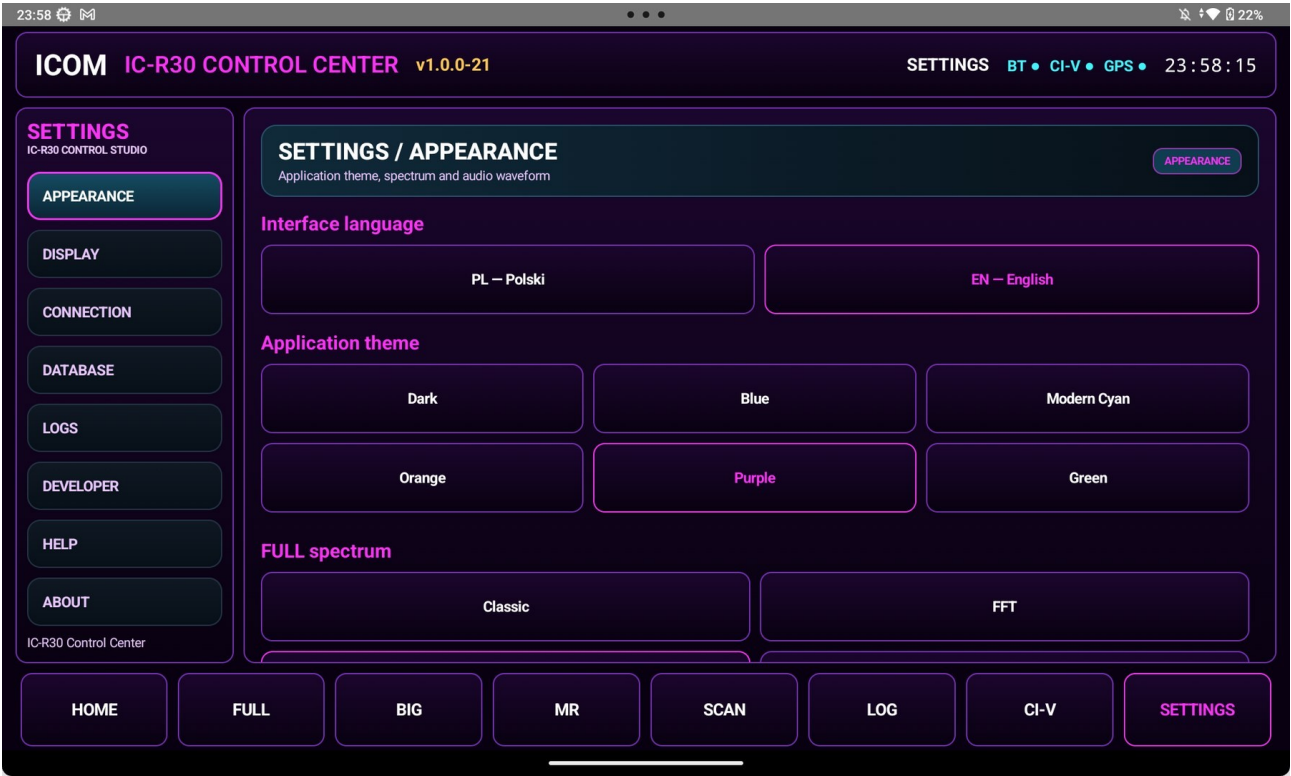
Function	Description
Program Scan	Scans a programmed range.
Memory Scan	Scans memory channels.
Band Scan	Scans a selected band.
P-Link / Group Link	Scans linked programs or groups.
SKIP / Temporary Skip	Skips selected channels.
Last Heard	Recently received channels with hit time.
Scan Log	Detailed stop history and counters.

7. SPECTRUM and Waterfall

The dedicated SPECTRUM screen shows frequency and active channel information, with a large spectrum and waterfall below. Settings provide multiple colour schemes and display controls.

- smooth waterfall refresh independent of irregular CI-V frames
- signal-level smoothing
- palettes including Classic, Cyan, Rainbow, Inferno, Viridis, Magma, Amber, Fire and Grayscale
- fixed frequency font prevents layout movement

8. SETTINGS



Example Appearance settings page.

- Connection / Bluetooth - receiver selection and connection
- Radio - communication and behaviour
- Appearance / Display - language, themes, presets and display
- Spectrum - spectrum and waterfall colours
- Database / MR / SKIP - databases and manual synchronization
- Logs / CI-V - communication diagnostics
- About / Help - application version and support

9. Demo Mode

Demo Mode is available on phones and tablets and allows the interface to be explored without an IC-R30.

- built-in list of over 100 frequencies with PL and EN names
- random scan stops no more often than every 8 seconds
- signals of at least 70% with smooth rise and decay
- updates S-meter, Spectrum, Waterfall, Last Heard and Scan Log
- no CI-V commands are sent to a real receiver

10. Troubleshooting

Problem	Check
Receiver not listed	Android pairing, Bluetooth enabled and permissions

	granted.
No CI-V response	Serialport Function = CI-V, address 9Ch, Echo Back ON.
Receiver changes not shown	CI-V Transceive ON.
SKIP bank is outdated	Run manual synchronization in SETTINGS.
Waterfall stutters	Check device load and disable battery optimization for the app.

11. Privacy and support

The application contains no advertising or author-operated analytics. Settings, logs and databases are stored locally. A useful support report includes device model, Android version, application version, IC-R30 settings, a screenshot and a relevant CI-V log excerpt.