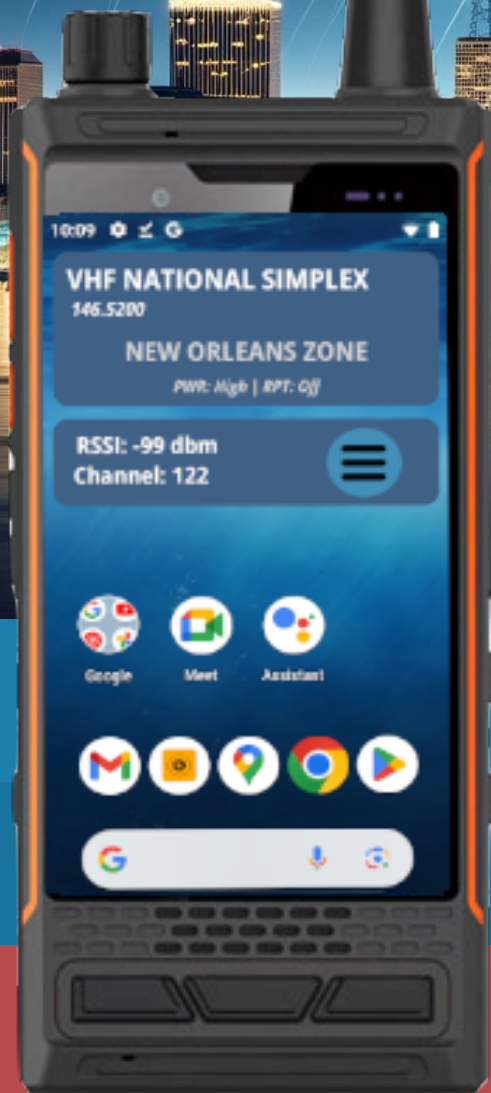


ComJOT

Communities Joining Together



CJ-1

OPEN SOURCE

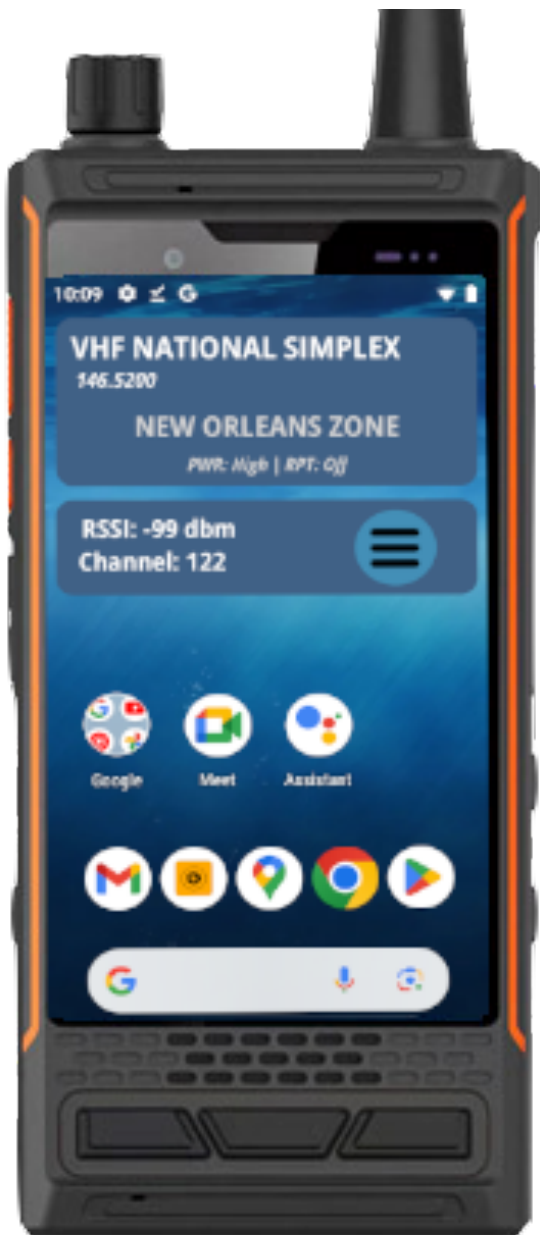
VHF & UHF

DIGITAL RADIO

www.comjot.com

Dual Band Open Source Android Amateur Radio

The ComJoT CJ-1, dubbed as the first Open Source Android Amateur Radio, is a feature-packed device that marries traditional communication methods with modern technology.



Open Source Advantage Being open source, the ComJoT CJ-1 encourages innovation and customization, allowing users to adapt the device to their specific needs and preferences.

Model and System:

- The CJ-1 runs on Android OS, ensuring a familiar and customizable user interface.
- It's powered by an octa-core MT6762 CPU clocked at 2GHz, providing a robust platform for both communication and application needs.
- The device incorporates both analog and digital mobile radio (DMR) with **VHF (136-174mHz)** and **UHF (400-470mHz)** bands, making it a versatile tool for amateur radio enthusiasts.
- Built in *AES encryption* ensures that when you want your conversation to be private, it stays private.

Connectivity:

- The radio supports a wide range of GSM, WCDMA, TDSCDMA, CDMA, FDD, TDD, and GPRS bands, along with VoLTE capabilities, ensuring it can be used globally.
- Its connectivity is further enhanced with NFC, OTG, Bluetooth 5.0 BLE, and USB Type-C 2.0, catering to various modern peripherals and accessories.
- It boasts dual-band WiFi, supporting both 2.4GHz and 5.8GHz for faster and more reliable wireless connectivity.

Screen and Camera:

- A 4-inch IPS display with a resolution of 480*800 provides clear visibility for outdoor use.
- For imaging, it features a 1.3MP autofocus rear camera and an 800,000-pixel front camera with fixed focus.

The Android interface makes it familiar to younger, tech-savvy generations, while its amateur radio features appeal to traditional radio enthusiasts, fostering **cross-generational** communication, learning and excitement about Amateur Radio.

Storage and Body:

- With 64GB ROM and 4GB RAM, it should offer ample storage and smooth multitasking.
- The device is substantial in build, with a hefty weight of 371.5g and rugged dimensions tailored for durability and ease of handling in field conditions.

Battery and Charging:

- A powerful 7.6V/3000mAh removable battery promises long-lasting use, and it's user-replaceable – a rare feature in modern devices.
- Charging is convenient via a Type-C connector, and an optional desk charger offers an alternative charging solution.

Durability:

- The CJ-1 is built tough, with an IP68 rating, signifying complete protection against dust and the ability to withstand long periods of immersion in water.

Additional Features:

- It's equipped with a suite of sensors, including AI noise reduction, gravity, light sensitivity, and a distance sensor, enhancing its utility in various environments.
- The inclusion of a double microphone and a waterproof speaker ensures clear communication in adverse conditions.



Smart Device Open Source

ComJoT CJ-1 stands out as a robust and versatile device that bridges the gap between amateur radio and smart device functionality. Its blend of traditional radio features with the capabilities of a modern smartphone makes it an intriguing option for amateur radio aficionados, outdoor adventurers, and professionals who require a rugged, reliable communication device in the field.

GET READY TO REVOLUTIONIZE AMATEUR RADIO!



MULTI-MODE RADIO

The CJ-1 is an advanced dual-mode/ dual-band radio with a dual PTT button, facilitating seamless network transitions and enhancing communication scenarios. It supports real-time voice, video, recording, and reporting, improving efficiency in field operations.



CJ-1 SPECIFICATIONS

HARDWARE

RAM + ROM	4GB + 64GB
EXPAND MEMORY	Up to 512GB
CARD SLOT	Dual SIM Card+ TF Card
INTERFACE	M6
SCREEN	4 inch
CAMERA	Rear and Front
SPEAKER	8Ω, 2W, Φ36 Waterproof
MICROPHONE	Double Microphone with AI Noise Reduction
BATTERY	7.6V/3000mAh - Removable USB-C Charge
ANTENNA	SMA Male connector on Radio; Requires SMA Female connector on Antenna

CERTIFICATION

Drop	1.5M
Ingress Protection	IP68
Certification	CE/FCC/MIL-STD-810H/GMS

CONNECTION

FREQUENCIES	2G: B2/B3/B5/B8
	3G:B1/B2/B4/B5/B8
	4G-FDD:B1/B2/B3/B4/B5/B7/B8/B12/B17/B20//B66
	4G-TDD:B38/B39/B40/41
WIFI	2.4G+5.8G standard : 802.11ac/a/b/g/n
BLUETOOTH	BLE 5.0
NFC	Support

RF Module

FREQUENCY RANGE	VHF: 136-174mHz; UHF: 400-480mHz
Channel Capacity	350,000 Channels
Channel Spacing	25KHz/12.KHz (WFM and NFM)
Power Output	VHF: 5W/1W, UHF: 4W/1W
DMR Encryption	ARC4/AES
License	Tier II



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ComJoT is dedicated to providing professional communication solutions to global users with quality & efficiency and enrich global wireless communications ecosystem. For more information about our products and solutions, please contact us or visit www.comjot.com.

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