

QSOLink Basic 2.0 – Complete User Guide




System Compatibility:

QSOLink Lite is highly optimized and compatible with:

- **Smartphones:** 32-bit and 64-bit devices running **Android 9.0 and later**.
 - **Network Radios (PoC):** Fully compatible with Push-to-Talk over Cellular devices, including official support for the **Hytera P50** and **Hytera P50 Pro**.
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1. NETWORK MANAGEMENT (SLOTS 1 to 8)

You have 8 available slots on the home screen to save your favorite networks (SvxLink/FM or DMR).

- **Configure a Network:** **Long press** on one of the 8 numbered buttons at the top of the screen.
- **Update the Server List:** Click on  **UPDATE NETWORK LIST** to download the latest official servers (QLINK, BrandMeister, etc.).
- **Choose the Protocol:** Select **SVXLINK (FM)** or **DMR (DIGITAL)**. *(Note: If the DMR button is hidden, you must first enable DMR in the Global Settings).*
- **Choose the Network:**
 - Use the  and  arrows to select a known network (e.g., QLINK, a specific BrandMeister server).
 - Or select **CUSTOM NETWORK** to manually enter your own repeater/hotspot IP and port.
- **Fill in your Credentials:**
 - **Callsign:** Your radio callsign (e.g., F4JGI).
 - **Password:** Your password (or BrandMeister Hotspot Security Password).
 - **DMR ID:** Your 7-digit ID *(only required in DMR mode)*.
 - **Startup TG:** The TalkGroup you want to connect to by default upon startup.
- **Save / Connect:** Click **SAVE** to store the configuration. You can also use **COPY** to duplicate a config to another slot. Once saved, a **short press** on the slot button will initiate the connection.

2. LCD SCREEN (TOUCH SHORTCUTS)

The central LCD display hides very practical touch shortcuts.

- **On-the-fly Channel Jump (Quick QSY):** Make a **short press** in the center of the LCD screen. A numeric keypad will appear: type the desired TalkGroup (TG) number and confirm. This is the fastest way to change TGs!
- **Change Screen Color:** Make a **long press** in the center of the LCD screen to cycle through the backlit themes (Classic Green, Cold Blue, Neon Purple, High-Contrast Black).



3. CONTROL PANEL

This is your main dashboard located at the bottom of the screen.

- **Central Carousel:** Displays the saved TalkGroups (TGs) for your currently active network.
- **< and > Buttons:** Allow you to quickly zap between your favorite TGs. This is ideal when driving or when using the physical hardware buttons of a PoC terminal (like the Hytera P50).
- **Action Buttons:**
 - **TG LIST:** Opens the detailed TalkGroup manager and the directory.
 - **SCAN:** Toggles the radio scanning feature ON or OFF.
 - **SETTINGS:** Opens the global app settings (Audio, Hardware, PTT).
 - **EXIT:** Safely and cleanly closes the application.

4. TALKGROUP (TG) & DIRECTORY MANAGEMENT

Accessible via the "TG LIST" button. Allows you to add, name, and sort your channels.

- **Manual Entry & Parrot:** Type a TG number manually in the TG ID field. If you are on a DMR network (like BrandMeister), you can choose between **Group Call** or **Private Call**. Clicking the **(Parrot)** button will automatically dial your country's echo test server.
- **Directory (Bible):** Click on  **UPDATE** to download the official TalkGroup directory (QLINK or BrandMeister). Browse through the  folders and click on a room to connect instantly.
- **Memories (Saved TGs):** This tab lists your saved TGs.
 - **ALIAS:** Give a readable name to your TGs (e.g., "WORLDWIDE" instead of "91").
 - **PRIO (Priority):** Adjusts how this TG behaves during a Scan. Set to **MUTE** to ignore it during a scan, or to **NORM** / + / ++ / +++ to include it.

- **DEL:** Deletes the TG from your memory list.
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5. 📡 SCAN MODE & AUTO-REVERT

Allows you to monitor multiple rooms simultaneously without losing your home channel.

- **How Scanning Works:** When the **SCAN** button is illuminated, the radio listens to the primary TG of your current Slot, PLUS all the TGs you have favorited (with a priority of +, ++, or +++) in the TG LIST.
 - **The Timer (Scan Auto-Revert):** When someone speaks on a scanned secondary room, your radio temporarily switches to it. The Auto-Revert timer (adjustable in the TG LIST popup: 30s, 60s, 90s, 120s) defines the hold time. After X seconds of silence on this secondary room, the radio will **automatically return** to your original home TG.
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6. ⚙️ GLOBAL SETTINGS

Accessible via the ⚙️ Gear icon. Configures hardware, audio, and your station identity.

- **Station Identity:** Fill in your **Callsign, First Name, City, and Locator (QRA)**. This information is sent to the network to display you on the live web dashboards.
- **Audio Settings:**
 - Adjust the gain/volume for your **Microphone, Speaker, and Car Speaker** (Bluetooth).
 - **TX/RX DSP Enhancer:** Enable these digital audio filters (*in DMR mode*) to clean up voice transmissions (noise reduction and clarity enhancement).
- **Hardware & PTT:**
 - **Bluetooth PTT Mic:** Click on **LINK** and press your external Bluetooth button (Zello, AnyTone, iTag, etc.) to pair it with the app.
 - **PTT Switch Mode:** Choose between **Momentary** (Push-to-Talk, hold to speak) or **Toggle** (Click once to transmit, click again to stop).
 - **Car Microphone:** Forces the app to use the car's built-in microphone when connected to Bluetooth Hands-Free (SCO).
- **Display & Power:**
 - **Auto-Dim Screen:** Dims the screen brightness after X seconds of inactivity to save battery.
 - **Wake Screen on RX:** Automatically turns the screen back on when someone starts talking.
- **System Features (DMR):**

- **Enable DMR Protocol:** Completely enables or disables the DMR engine within the app.
- **Vocoder Source:** Choose your voice decoder: **USB HW** (Physical AMBE USB stick), **SOFT** (Internal software plugin), or **NET** (Remote AMBE Server).
- **Backup & Restore:**
 - Click **BACKUP** to export all your network configurations, aliases, and settings to a file in your phone's *Downloads* folder.
 - Use **RESTORE** to reload these settings from a file (useful after a reinstall or when switching devices).