



SPOT Quick Start Guide

Simple, Portable, Open Telemetry

Welcome to SPOT

For full details on configuring and using **SPOT**, please refer to the [SPOT User Manual](#).

Memory Channels and Lists

- SPOT stores up to 200 tags in memory. Each tag has its own channel. When using channels stored in memory, you are in Memory mode.
- Because you will often want to focus on only some of these tags, **SPOT** lets you organize subsets of channels into **Lists**. You can have up to 10 named lists. Each channel can be in zero or more lists.
- There is also a built-in list named **ALL** that contains every channel.
- To ensure you are in Memory mode, look directly below the word “Gain” in the top left corner of the display. If it says **FREQ**, press **PTT** (the large button on the left of the receiver) to switch to Memory mode.



Navigating Channels and Tags

Select the lists you want to focus on by pressing **M** to enter the menu system. Use the **▲/▼** keys to navigate to the **LISTS** item, then press **M** to select it. You’ll see the name of a list on the right of the screen. If it has an asterisk next to it, it is active. Press **M** to toggle the asterisk on/off. Use the **▲/▼** keys to scroll through your lists. Repeat the process until you have selected the lists you want to focus on and deselected any others. You may alternatively choose **ALL** to include all memory channels.

Navigating to a Known Channel

- Use **▲/▼** to move through channels in the active lists.
- To go directly to a channel, enter its 3-digit channel number (003, not 3)

Jumping Directly to a Tag

- Tap **F9** or use the menu to set **NavMd** to **TAG**. The word **Tag** will appear on the display just to the left of the channel name. You will stay in this mode until you tap **F9** again.
- Enter a tag number, up to 4 digits, using **0-9**, then press **M** to jump to the channel for that tag.
- Unlike channel numbers, don’t enter leading zeros. For example, to jump to tag 26, enter **26M**.
- If a match is found, **SPOT** jumps to that channel. If not, **SPOT** stays on the current channel and beeps.

Fine-Tune a Stored Channel

You may find a faint signal whose pitch sounds off compared to normal. You may need to fine tune the frequency to get a better hit. To do so:

- Press **F8** to enter Adjust mode. The word **Adjust** will appear directly above the channel name.

- Use **N** / **V** to tune up or down by the current step size. The current step size is shown in the upper right area of the display, just below that battery indicator.
- Press **F8** again to save the adjusted frequency or press **EXIT** to discard the adjustment.

Automatic Scanning

We've already described how to scan through channels manually. You can also have the receiver scan automatically through the channels in your active lists, dwelling on each for a preset period, before moving on to the next channel.

- Press **Scan** to start scanning.
- Press **PTT** to pause allowing you time to focus on a signal. Press **Scan** again to continue.
- Press **EXIT** to stop scanning and return to the starting channel.
- Use the **OnHit** menu item to control whether scanning automatically pauses when a signal is detected.

RF Gain

- Increase RF gain when signals are weak or distant.
- Decrease RF gain when signals are strong or non-localized.
- Reduce gain as the tag gets closer.

Useful Shortcuts

- **Scan**: Start an automatic scan
- **F2**: Ping-pong between the two most recent channels.
- **F9**: Toggle channel navigation between Channel and Tag modes.
- **F8**: Enter or save Adjust mode.
- **F3** or **PTT**: Switch between Memory and Frequency mode.

Display At a Glance

- The top line shows the RF gain setting and battery level.
- The second line shows the channel number on the left (e.g. C003) and the step size on the right (e.g. 0.50).
- The next line shows the channel name, highlighted with white on black (e.g. 209 Rasca1)
- The larger center area displays the frequency (e.g. 148.50950)
- Below that is a power level and signal strength meter. To the right of the same line is a beats per minute (BPM) reading if a steady signal has been detected.
- The bottom line shows the current list and the channel on that list (e.g. Big Sur 7/9).

In **Tag Search** mode the display changes slightly. The channel field is replaced by the tag number, and the word **Tag** appears on screen to show tag navigation mode.

In **Adjust** mode, the word **Adjust** will be shown directly above the channel name.

Programming Note

- Use **SPOT Tools** to manage channels, lists, names, and firmware updates.
- The USB-C port is for charging only. Use the headphone/programming port with the programming cable.