

Internet scanner

Internet Audio lets you listen to and control an RTL-SDR or SDRplay receiver in a browser. This guide takes you from preparing the files to everyday operation on a phone or computer.

What you need

- Custom MC Taskbar 2.2.0.1 running on Windows with a receiver, its driver and an antenna.
- Working local reception and prepared MEMORY channels with the correct modulation.
- FFmpeg and Cloudflared on the receiving computer; the next page explains downloads and file placement.
- Internet access on both devices and a browser capable of audio streaming. The phone does not need an SDR driver or decoder.

Setup sequence

Page	What you will do
2	Download the tools and place the files in the correct folder.
3	Start streaming, obtain the address and password, and log in.
4	Learn scanner buttons, memory selection and channel skipping.
5	Adjust receiver settings and identify common problems.

D-STAR and Yaesu Fusion

Decoding takes place on the computer running the taskbar. Working local digital reception can be heard on the web using the same memory. The separate **D-STAR / Yaesu Fusion** guide in **Options > Ham Radio** covers DSD-neo, RTL-SDR and SDRplay setup.

One shared receiver

All listeners share the current channel. Web commands operate the same scanner as taskbar buttons. Coordinate control with other users; the receiving computer must remain on and connected.

To reopen this document, go to Options > Ham Radio > Internet scanner and click English - PDF. An active receiver connection is not needed to read the guide.

Add-ons: downloads and file placement

This page prepares the shared tools for recording, conversion and streaming. Paste this path into Windows File Explorer: %LOCALAPPDATA%\CustomTaskbarMC\Tools\ Create the folder if necessary. %LOCALAPPDATA% means the current Windows user's local profile; do not literally type an account name copied from someone else's example.

FFmpeg and FFprobe

1. Open the [official FFmpeg download page](#) and choose Gyan builds under Windows. You can also go directly to gyan.dev/ffmpeg/builds.
2. Download **ffmpeg-release-essentials.zip**, a ready-built Windows x64 package. Do not select the source-code archive.
3. Extract the ZIP and open its internal **bin** folder. Copy **ffmpeg.exe** and **ffprobe.exe** directly into Tools.
4. Check the paths below. Do not leave the files inside an extra **bin** subfolder. FFprobe is required by the media converter.

Cloudflared

1. Open [Cloudflare downloads](#) or the [cloudflared releases](#).
2. Download **cloudflared-windows-amd64.exe** for 64-bit Windows.
3. Rename it to **cloudflared.exe** and place it directly in Tools. It provides the Internet tunnel; local recording alone does not require it.

Final file locations

Feature	Files relative to Tools
MP3, screen recording, encoding	ffmpeg.exe
Media converter file analysis	ffprobe.exe
Internet Audio	ffmpeg.exe and cloudflared.exe

The streaming tools panel in **Options > Ham Radio** shows the location and presence of FFmpeg and Cloudflared and provides an open-folder button. Reopen the panel after copying files. A file being present does not prove successful recording: make a short test.

RTL-SDR / SDRplay - INTERNET AUDIO

Internet Audio: setup and access

Internet Audio sends received sound and scanner status to a phone, tablet or computer browser. The computer running the taskbar, receiver and antenna must remain on, connected to the Internet and awake.

Preparing the receiving computer

1. Verify local RTL-SDR or SDRplay audio and the MEMORY banks. D-STAR and Yaesu Fusion must already decode correctly in the taskbar.
2. Place **ffmpeg.exe** and **cloudflared.exe** in `%LOCALAPPDATA%\CustomTaskbarMC\Tools\`. Page 2 gives downloads and complete file locations.
3. In **Options > Ham Radio**, enter an **Internet scanner username**: 3-32 characters using plain letters, digits, hyphens or underscores. Choose a recognizable, unique name and confirm with **OK**.
4. Click **Start Internet Audio** in the intended receiver window. Wait for the notification containing the address and **Access password**. The application generates the password and copies the address to the clipboard. Keep both.
5. Open that address on the other device, enter the password and submit the login form. The browser remembers access; clearing cookies or using a private window may require another login.
6. Click **Listen live**. Opening the page alone may not start sound. Check device volume and whether the browser tab is muted.

Choosing the correct address

Receiver	Stream identification
RTL-SDR	Your username; default local port 8787.
SDRplay	Name with a <code>-sdrplay</code> suffix; default local port 8788.

Copy the address from the running stream's notification. The product information website and URL preview in Options may use a different domain from the active server. The full panel uses **/radio/name**; the basic tunnel player at **/listen/...** does not provide all scanner controls.

In this version, the web password grants both listening and scanner control. There is no separate listener-only account. Share the address and password with people you allow to change scanner operation.

RTL-SDR / SDRplay - INTERNET AUDIO

Web: listening and scanner controls

The panel shows current frequency, channel, bank, modulation, signal, scan progress and listener count. Reception is shared: everyone hears the channel currently selected on the computer. A command from a phone also changes taskbar operation.

Browser buttons

Button	Action
Listen live / audio player	Starts listening on this device. Pausing the player does not stop scanning.
Scan Next Channel	Moves on during scanning without temporarily excluding the channel.
Skip 5 / 15 / 30 min	Temporarily skips the current channel so scanning can continue elsewhere.
Scanner STOP	Holds memory scanning while continuing reception of the current channel.
Scanner START	Resumes scanning the enabled memories.
Memory + / Memory -	Selects the next / previous memory. Click Scanner STOP first.
End of day	The current web command does not perform a skip. Use Skip or the corresponding local control.

Example: hold an interesting conversation

1. Start **Listen live** and watch the bank, frequency and modulation.
2. Click **Scanner STOP**. To choose another memory, use **Memory + / -** and check the channel name.
3. Allow the audio buffer to catch up. The conversation you hear may lag behind your command and the displayed status.
4. Click **Scanner START** when finished. For persistent interference, choose **Skip 5 min** instead of repeatedly holding the scanner.

Edit banks, frequencies, memory order and modulation in **MEMORY** on the receiving computer. The web panel has no full bank editor or arbitrary frequency entry. A digital channel uses its stored **DStar** or **Ysf** mode; the browser does not need DSD-neo.

SPACE, CTRL, X/C/V and arrow labels beside buttons refer to computer controls. Use the on-screen buttons in the browser; do not assume these keys trigger web commands.

RTL-SDR / SDRplay - INTERNET AUDIO

Web: receiver settings and help

Receiver settings

Web sliders change the running receiver. Wait for **Receiver settings applied** and check the result. Change one parameter at a time; save the startup profile in the taskbar.

Setting	Meaning
Squelch / Sensitivity	Absolute threshold / required level above noise. Lower Sensitivity allows responses to weaker signals.
Tuner gain / AGC	Gain and automatic control. Excessive gain can make reception worse.
Squelch hysteresis	Difference between opening and closing thresholds; reduces switching near the threshold.
Squelch hang time	Time to remain on a channel after the signal disappears.
Scan dwell time	Time spent checking an inactive memory; affects speed and detection of short calls.
Signal smoothing	Smoothing of signal-level measurements.

For SDRplay, the shared panel may still say **Enable RTL AGC**: it controls SDRplay IF AGC in this case. Do not transfer numeric gain settings between receivers. Check detailed hardware settings in the receiver's local window.

Identifying a problem

Symptom	What to do
No sound	Click Listen live; check volume, radio activity and audio on the receiving computer. Silence between transmissions is normal.
Scanner offline / no page	Check the taskbar, Internet Audio, connectivity and tunnel. Use the current address from the startup notification.
Unauthorized / wrong password	Log in again with the intended receiver's password; allow the site to store cookies.
A command has no effect	Read the message below the buttons and check the taskbar state. Avoid repeated START/STOP clicks while waiting.
Gaps or long delays	Check the connection and PC load. After a phone network change, retry Listen live or refresh the page.

Active sessions shows panel connections; the audio listener count may represent something different and update later. Closing the page ends your session; **Stop Internet Audio** in the taskbar stops the stream for everyone. Neither pausing the player nor Scanner STOP disables publication.