



HamCon Colorado 2025

October 23-26, 2025 - Grand Junction, CO
ARRL Rocky Mountain Division Convention



Remote Station Operation Using Wfview

Ed James KA8JMW
John Maxwell W0VG

Today's Presentation on Wfview

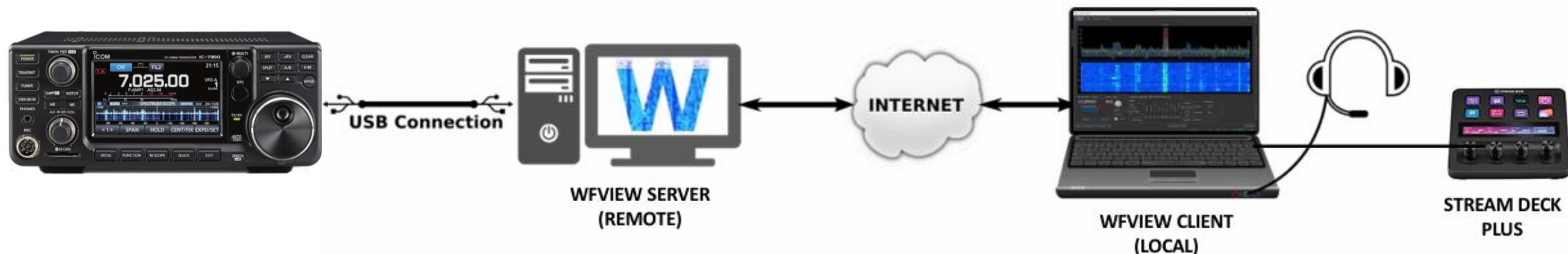
- This quick explanation of the Wfview implementations and not intended to be a comprehensive how-to.
- There are quite a few how-to videos out.
- Significant functionality is being “glossed over” in this quick talk.

What is view

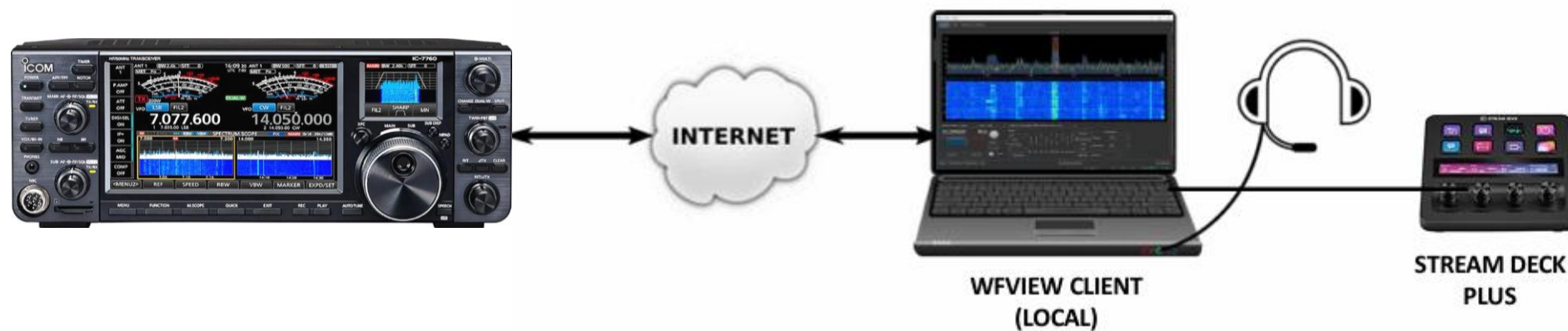
- A free, open source, program that allows many modern Icom and Kenwood ham radio transceivers to be controlled via a computer.
- Displays the spectrum display on whatever display is connected, including projectors, touch screens, and TVs.
- Allows for full radio control from a computer keyboard and basic control from a numeric keypad.
- Runs on hardware ranging from the Raspberry Pi to laptops to desktops.
- Runs on Linux, macOS, and Windows.
- Supports rig control over ethernet as well as over USB & serial CIV bus.
- Allows older radios to be accessed over the internet, for full control and low-latency audio streaming

Typical Wfview Configurations

Radio with USB or Serial Interface

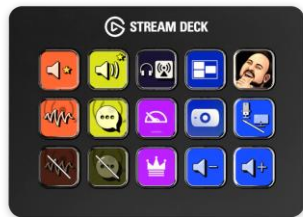


Radio with an Ethernet Interface



Supports many USB Controllers

RC-28, Shuttle, Stream Deck, sunSDR, ...



Stream Deck+ and Wfview

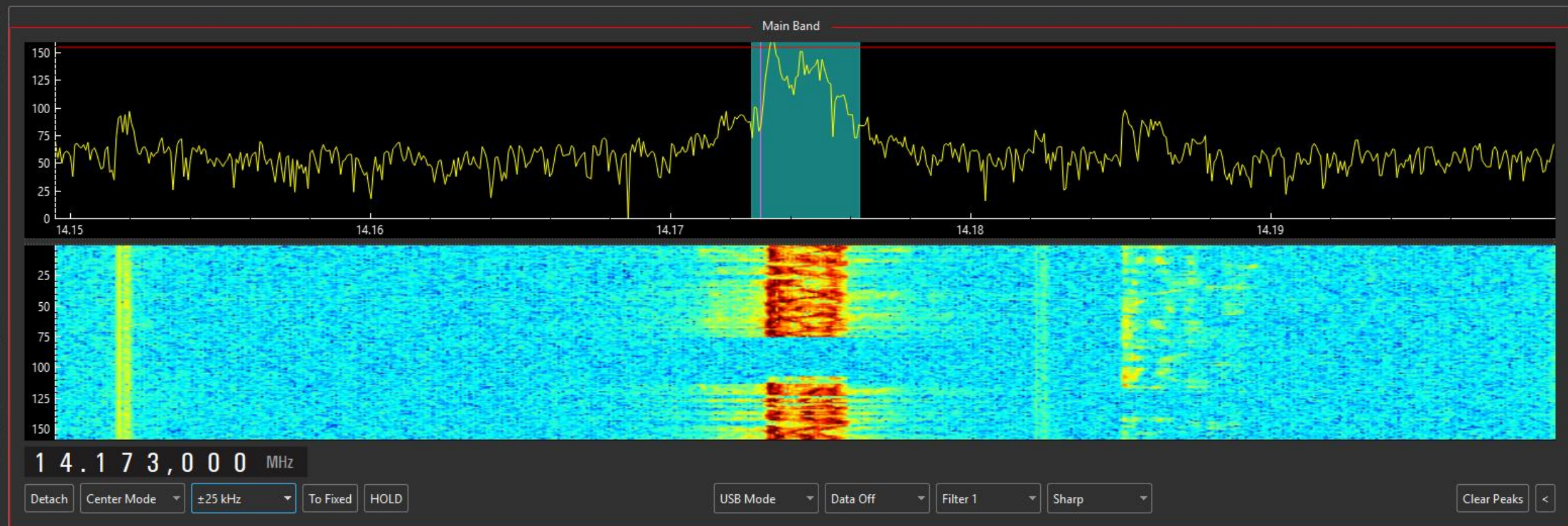
- Can be used for all radio functions in Wfview
 - VFOA/VFOB
 - Waterfall/Spectrum
 - Volume
 - RF Gain
 - TX Power
 - And more
- Multiple “pages” of options can be addressed
- Commonly used function on front page
- Less common on second page



Stream Deck+ Device Configuration

- You do not need to load any drivers
- Wfview software polls and operates the device directly
- Simply Right Click on the button and select its function





S 0 1 2 3 4 5 6 7 8 9 10 20 30 40 50

Id 2 4 6 8 10 12 14 16 18 20 22 24 26 28

ALC 0 25 50 75 100 125 150 175

500 Hz

☐ F Lock

Power On Power Off ☐ RIT

RF AF SQ MIC TX Mon

☐ NB ☐ NR ☐ IP+
☐ DS ☐ CMP ☐ VOX

Transmit

☒ Enable ATU

Tune

CW

Rpt/Split

Memories

Scope Settings

Dual Scope Dual Watch Split

Main/Sub Main<>Sub Main=Sub

Preamp/Att

Preamp: PRE2

Attenuator: 0 dB

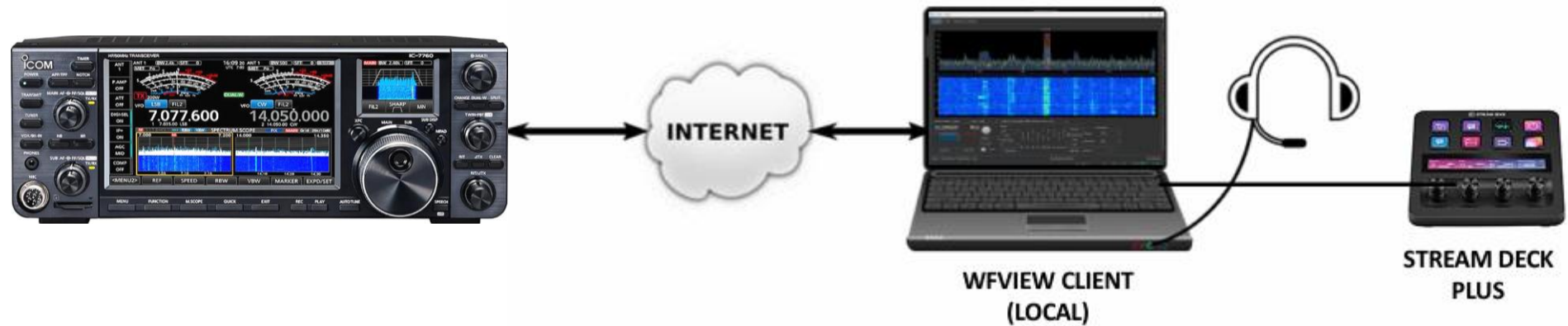
Antenna

ANT 1 ☐ RX

About Settings Save Settings Radio Status Log Bands Frequency Pin Creator Disconnect from Radio Exit Program

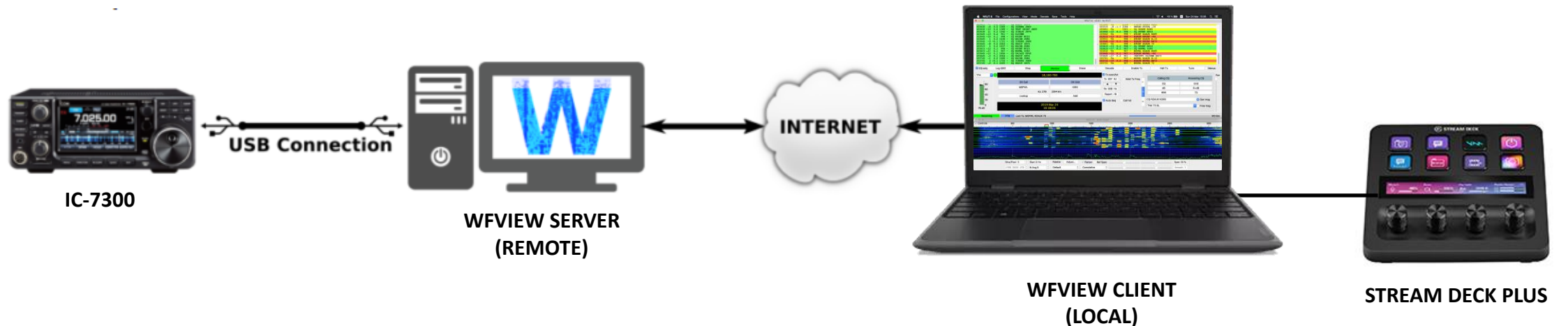
Demonstration

Using a Remote IC-7760 Located in RMHAM trailer



Digital Modes

- When operating digital modes you will need a Virtual Audio Cable to provide the audio to both Wfview & the digital mode program.
- Excessive latency can be an issue.

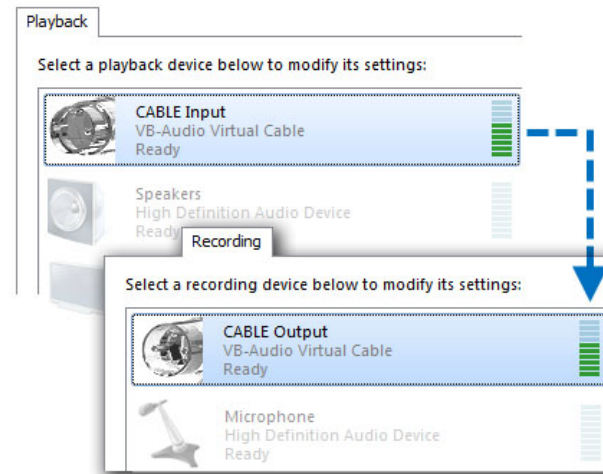
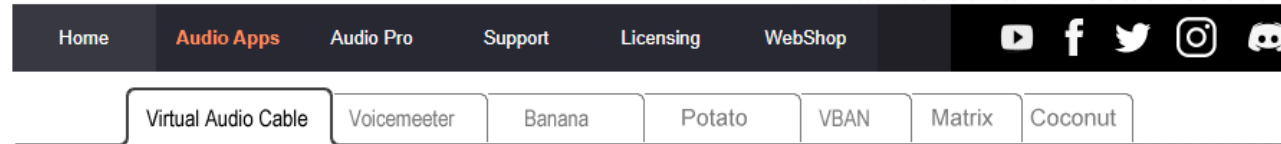


FREE for both Windows & Mac



VB-AUDIO Software

Audio Mechanic & Sound Breeder

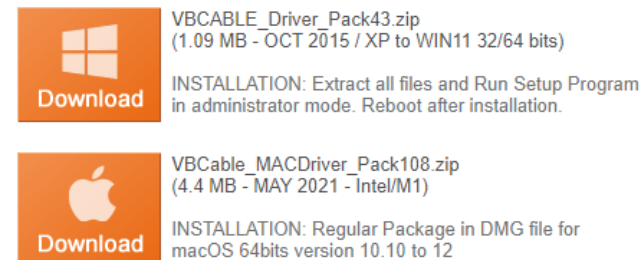


If you find VB-CABLE useful!
Donate and get two other Virtual Audio Devices:
[VB-CABLE A+B](#) or [VB-CABLE C+D](#).

VB-CABLE Virtual Audio Device.

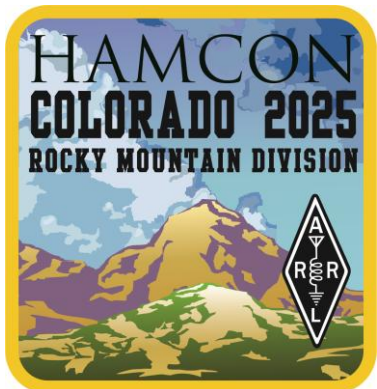
VB-CABLE is a virtual audio device working as virtual audio cable. All audio coming in the CABLE input is simply forwarded to the CABLE output.

Download and Install VB-CABLE Driver Now!



VB-CABLE is a Donationware! All participations are welcome. Get your license for [VB-CABLE-Windows](#) or [VB-CABLE-MAC](#) directly on our [webshop](#). Change the quantity in the cart to get Volume Licensing prices.

[VB-Audio Virtual Apps](#)



(Questions?)



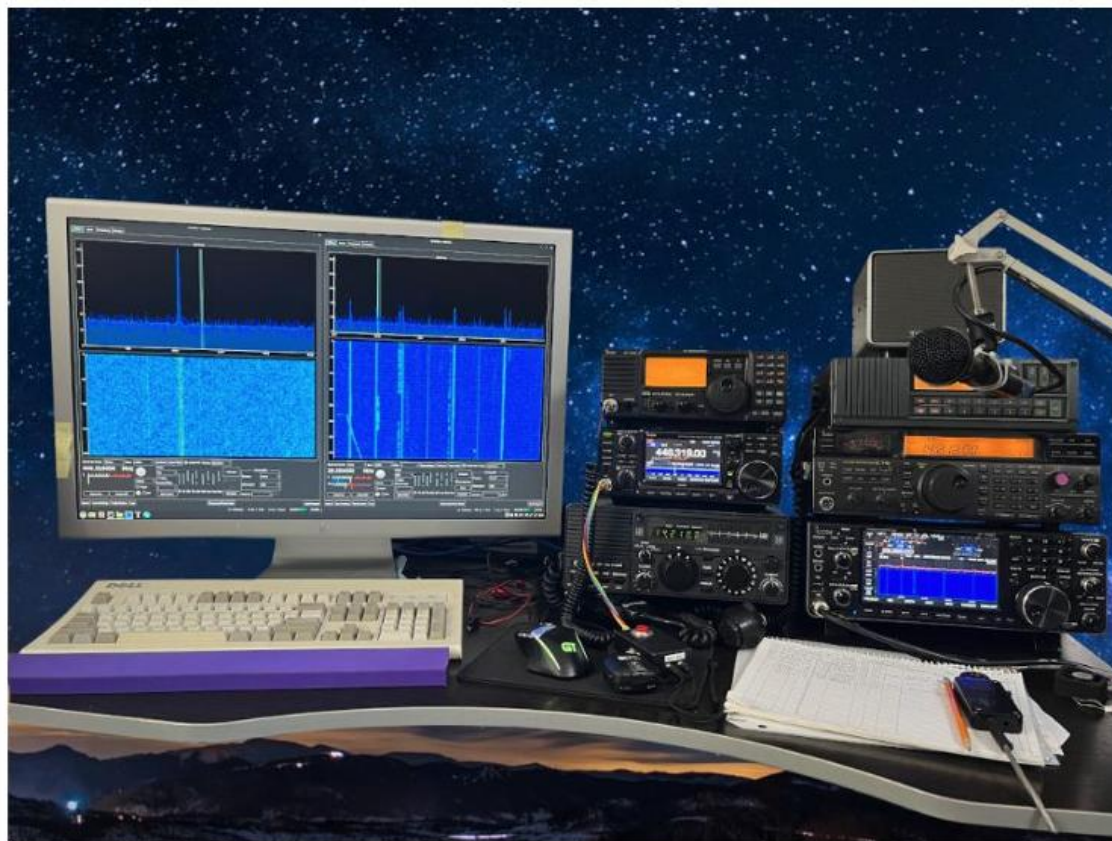
wfview

Open Source interface for Icom transceivers

[Home](#) [About wfview](#) [Videos](#) [Download](#) [Roadmap](#) [Core Development Team](#) [Developer](#) [User Manual](#) [Support](#)

Welcome to wfview.org

Hello, and thank you for coming here to learn about wfview. wfview is a program developed by amateur radio enthusiasts to control modern Icom ham radios. wfview is free and open source software.



wfview

Thank You

- Ed James KA8JMW, ka8jmw@arri.net
- John Maxwell, W0VG johnm@johnmaxwell.net
- <http://www.rmham.org>