

# PVARC - K6PVR Icom IC-7300 HF Radio remote control setup.

Paul Strauss, June 25, 2022

ICOM - RS-BA1-V2 IP Remote Control Software

This program is licensed to PVARC for use by its members to interface with the K6PVR South Mtn IC-7300 radio  
Do NOT share this license or program with others.

This will guide you through the setup and fundamental use of the K6PVR South Mtn Icom IC-7300 HF radio  
This procedure is for Windows 10 operating systems; contact me for use with alternate operating systems.

The theory is you first setup a virtual USB port on your computer to connect to the South Mtn computers USB port which is connected to the Icom IC-7300 Radio. Secondly you install the Icom RS-BA1 Remote Control Ver2 program on your local computer to connect and control the K6PVR South Mtn Icom IC-7300 Radio.

There are a few steps in setting up this system and it may take a little time. If you have any questions or issues please let me know.

Program Installation

- 1 - Unzip the file **k6pvr\_7300.zip**
- 2 - The first program (Remote USB Utility) is located in the directory: ....\Driver\CP210x\Win10\
  - 2a - For a Windows 64 bit computer run the program CP210xVCPInstaller\_x64.exe
  - 2b - For a Windows 32 bit computer run the program CP210xVCPInstaller\_x86.exe
- 3 - The Remote USB driver program is now installed. Go back to the starting directory.
  
- 4 - The second program is in the directory: ....\RSBA1\
  - 5 - Run the program **setup.exe**
  - 6 - Accept the License Agreement
  - 7 - Enter **PVARC** in both the User Name and the Company fields
  - 8 - Enter the Product ID: **Delivered separately**
  - 9 - Enter the License Key: **Delivered separately**
  - 10 - Under Choose Destination Location, choose the default.
  - 11 - A Windows Security note will popup, please select install.  
.....Give it time; two programs are being installed.....
  - 12 - With the next popup select Finish.

Program's Configuration

- 1 - Double click on the Icom Remote Utility program
  - Setup your own PC information. Enter OK
- 2 - Settings popup
  - 2.1 PC Name is your computers name, recommend entering your call sign
  - 2.2 Control Port (UDP) change entry to: **50005**
  - 2.3 Serial Port (UDP) change entry to: **50006**
  - 2.4 Audio Port (UDB change entry to: **50007**
  - 2.5 Network Connection use: **Wired**
  - 2.6 Internet Access Line use **FTTH** which Icom calls *Fiber-To-The-Home*
  - 2.7 Language I would recommend: **English**
  - 2.8 Enter Register.
  - 2.9 Confirm and enter OK then close the popup.
  - 2.10 Close the program and restart the **Icom Remote Utility** program
  - 2.11 You will receive a Windows Defender Firewall message, enter Allow Access.
  - 2.12 You are now in the Setup Wizard

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## 3 - Setup Wizard

- 3.1 Select the upper right box called Setup for a remote PC (Connect through a Server PC)
- 3.2 Start the Setup Wizard popup, select next
- 3.3 Server Address or Network Name, enter: **pvarc.dyndns.org**
- 3.4 Control Port (udp) enter: **50005** and select Next
- 3.5 User ID field, enter your **call sign**, lower case
- 3.5 Password field, enter the agreed upon **password** provided to you and select Next
- 3.7 The next popup in the Server Description the recommended entry is: **K6PVR South Mtn**
- 3.8 Select Finish.
- 3.9 Click on the **K6PVR South Mtn box**, it will turn **BLUE**
- 3.10 Select Connect, you will get a popup stating a Virtual COM port is not set, select OK
- 3.11 In the next popup, in the Device Settings Area, set the **Virtual COM Port Number to 99** and select OK
- 3.12 You will see a popup stating, Virtual Serial Port is (99), select OK

## 4 - Double click on the RS-BA1 Remote Control Ver2 program

- 4.1 On the top Menu Bar select Connect Set ICON
- 4.2 Model: **IC-7300(Ver1.40-)**
- 4.3 Connection: **USB**
- 4.4 Remote Utility: **K6PVR South Mtn**
- 4.5 COM Port: **99**
- 4.6 Baud Rate: **115200**
- 4.7 CI-V Address Radio: **94**
- 4.8 CI-V Address RS-BA1: **E0**
- 4.9 Audio Device: **ICOM\_VAUDIO-1 (Icom Virtual Aud**
- 4.10 Select OK
- 4.11 Popup, MOD Select has been changed, select OK
- 4.12 Popup, information about a CODEC Change, select OK
- 4.13 If all was setup properly pressing the **Connect** button in the top Menu Bar will turn on the radio.

## 5 - RS-BA1 Remote Control basics

When done press the **Connect** button, close the RS-BA1, and also close the Icom Remote Utility program

I would recommend selecting the graphic size to large. Go to **File, View, Size**, and select **Large**.

Use the **Left** and **Right** mouse buttons to control knobs such as the AF (Volume)

All settings you make are stored on your computer. Your memories and presets are not shared.

The Radio is setup to Auto-Tune when there is a change in frequency

The Antenna is a Buckmaster 80 thru 6 meter OCF antenna and works well across most bands

**Protect the Radio and do NOT transmit on 160 or 15 meters (1.8 & 21 MHz), the antenna will NOT tune there.**

