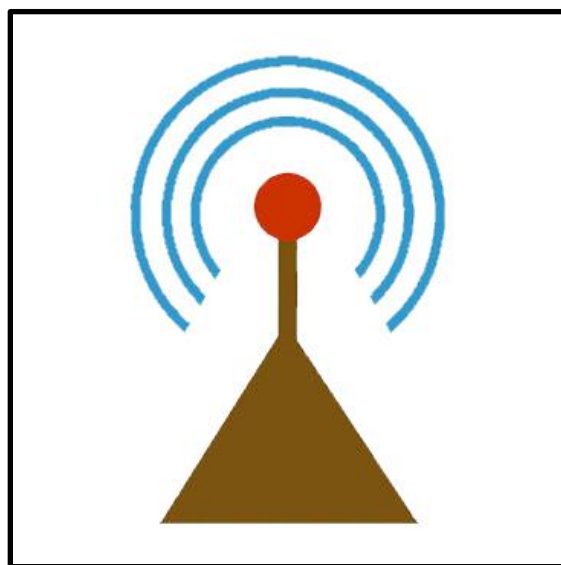


SDR_PTT6k

(Version 1.0.0 -- Revised: October 12, 2024)



Users Guide

Ray Andrews, K9DUR

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INTRODUCTION

SDR_PTT6k is a small utility for use with FLEX-6000 or FLEX-8000 series radios running **SmartSDR™**. It provides a PTT button that can be placed anywhere on the screen or locked to a specific position relative to the **SmartSDR™** display.

SDR_PTT6k communicates directly with the radio over the local network using the **FlexLib™** API.

SYSTEM REQUIREMENTS

SDR_PTT6k requires Windows Vista or later. It is a 32-bit application, and will run on a computer with either a 32-bit or a 64-bit processor.

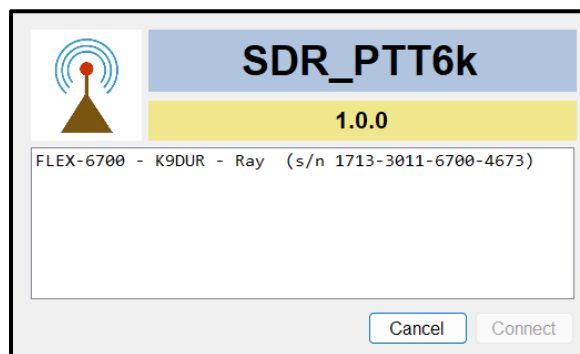
Adobe Acrobat Reader® or similar program capable of displaying .pdf files is required to view the program documentation.

INSTALLATION

Run the installation package file, **SDR_PTT6kSetup.exe**. This will install **SDR_PTT6k.exe** and all required supporting files on your computer. The installer will suggest a default location for the program file. You may change the location or leave it at the default, it does not matter.

PROGRAM OPERATION

When the program starts, the radio connection window will be displayed. This window will contain a list of available FLEX-6000 series radios for you to choose between. Connect to the desired radio by double-clicking on it in the list or by clicking on it and then clicking on the **Connect** button. If you click on the **Cancel** button, the program will close.




Radio Connection Window


If you have **Autoconnect** selected, the program will automatically connect to the first radio it discovers. If no radio is found after 15 seconds, the program will close with an error message.

MAIN DISPLAY

After you have connected to the radio, the main window will be displayed.

Main Window while radio is not transmitting:  A rectangular button with a black border and the letters "PTT" in black text on a white background.

Press and hold the left mouse button to put the radio into transmit mode. While the radio is transmitting, the main window will turn red.

Main Window while radio is transmitting:  A rectangular button with a black border and the letters "PTT" in white text on a red background.

Release the left mouse button to return to receive mode.

SETTING THE DISPLAY POSITION

To change the position of the display on the screen, place the cursor over the display, hold the Ctrl key down, press the left mouse button, and drag the display to the desired position.

There are two display position modes depending on whether *Anchor to SmartSDR* is selected or not:

- *Anchor to SmartSDR* off -- the **SDR_PTT6k** window will always be displayed at the same position on the screen regardless of the **SmartSDR** window.
- *Anchor to SmartSDR* on -- The **SDR_PTT6k** window will be displayed at a position relative to the **SmartSDR** window.

To set the display position:

1. Start the **SmartSDR** client.
2. Start **SDR_PTT6k**.
3. Place the cursor over the **SDR_PTT6k** window.
4. Hold the Ctrl key down, press the left mouse button, and drag the **SDR_PTT6k** window to the desired position on the screen.

CLOSING THE PROGRAM

To close the program, you can either:

- Right-click on the main display to display the pop-up menu and click on "Close SDR_PTT6k", or
- Right-click on the system tray icon & click on "Close SDR_PTT6k".

POP-UP MENU

Right-clicking on the main window will display a menu with the following items:

- **Always On Top** -- Toggles whether the display will always display on top of other applications.
- **Anchor to SmartSDR** -- Toggles whether the program will anchor its window position relative to the position of the SmartSDR client.
- **Autoconnect** -- Toggles whether the program will automatically connect to the first radio found. Also, program will continue running when the connection to the radio is lost & will automatically re-connect to the radio when the radio is found again.
- **Hide When SmartSDR Minimized** -- Toggles whether the *SDR_PTT6k* window is visible when the *SmartSDR* client is minimized.
- **Reset to Defaults** – Resets all settings to their default values.
- **Display Documentation** -- Displays the program documentation (this document).
- **About SDR_PTT6k** -- Displays basic information about the program.
- **Close SDR_PTT6k** -- Closes the program.

SYSTEM TRAY ICON & MENU

SDR_PTT6k does not display an icon on the task bar, but rather puts a small icon in the system tray.

Right-clicking on the system tray icon will display a menu with the following item:

- **Close SDR_PTT6k** -- Closes the program.

ABOUT THE AUTHOR

SDR_PTT6k was written by Ray Andrews, K9DUR.

Ray holds an Amateur Extra class license and was first licensed in April 1960. He currently resides in West Terre Haute, IN, and is a retired electronic design engineer and software developer. He operates a small custom software consulting business just to keep him out of mischief between camping trips.

For more information, visit Ray's web page:

<https://k9dur.us>

REVISION HISTORY

v1.0.0 – October 12, 2024 -- Initial Release.