

Recent Advances in RigSelect Pro

Courtney Krehbiel, KD6X

RigSelect, the Brains of your Multi-Radio Station

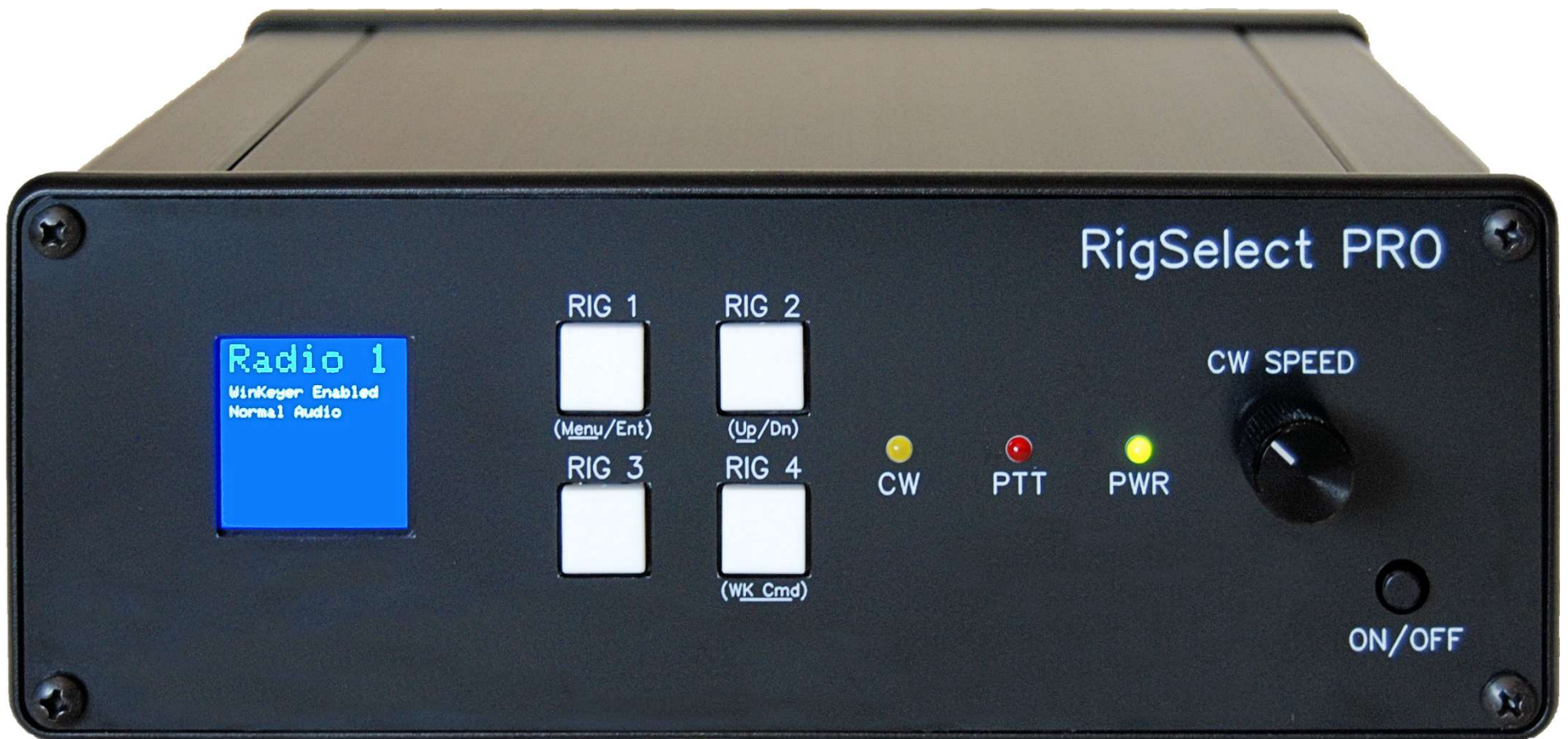
This session:

- **RigSelect Overview**
- **RigSelect station integration**
- **Basic SO2R operation**
 - **SO2R audio capabilities**
- **SOnR Possibilities**
- **RigSelect's audio overrides**
- **P49X use case**

GOAL: That you'll learn new ideas to enhance your station.

RigSelect Pro

Radio Switch Box and SO2R+ Controller



RigSelect

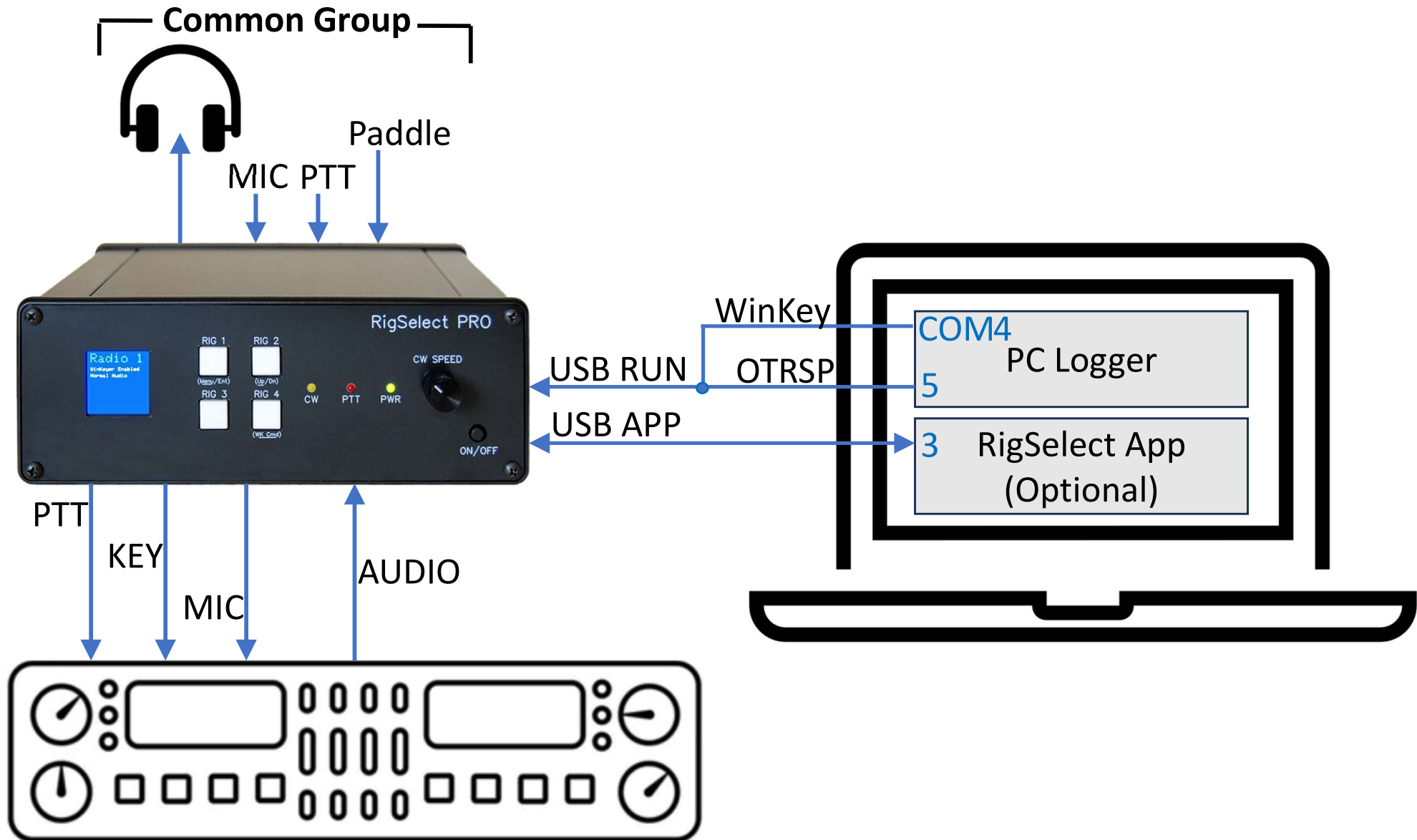
MULTIPLE RADIOS, FAST EASY SWITCHING



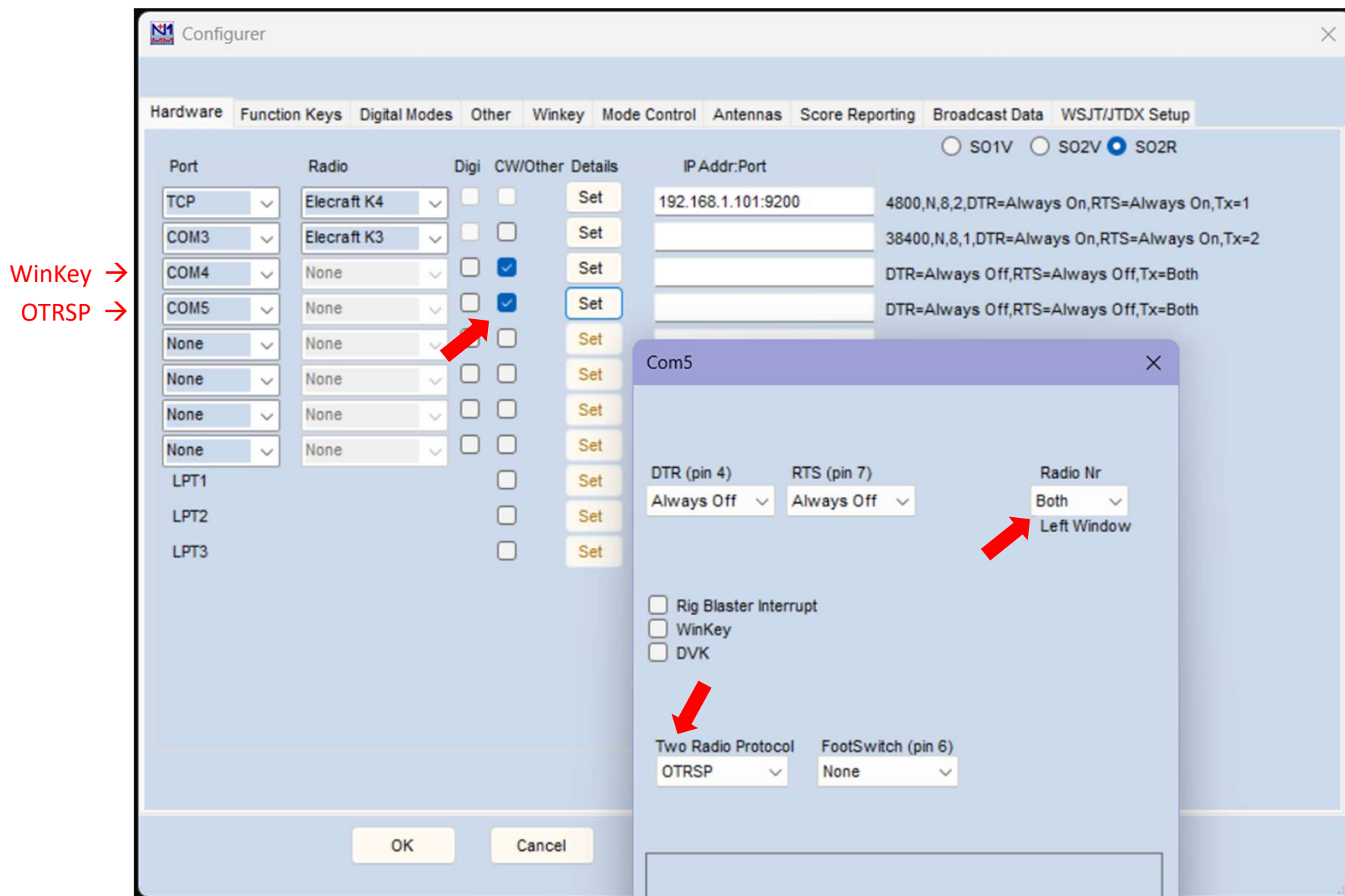
Brief Overview of RigSelect

- SO2R on any two of four radios. Pair instantly selectable under computer control.
- OTRSP switching protocol for computer-controlled switching in milliseconds.
- 3 Serial ports make for easy station
- Front panel pushbuttons configurable with macros and over 70 RigSelect commands
- Free RigSelect Windows App for easy setup and testing.
- Genuine WinKeyer 3.0 built-in to RigSelect.

Basic RigSelect Connections



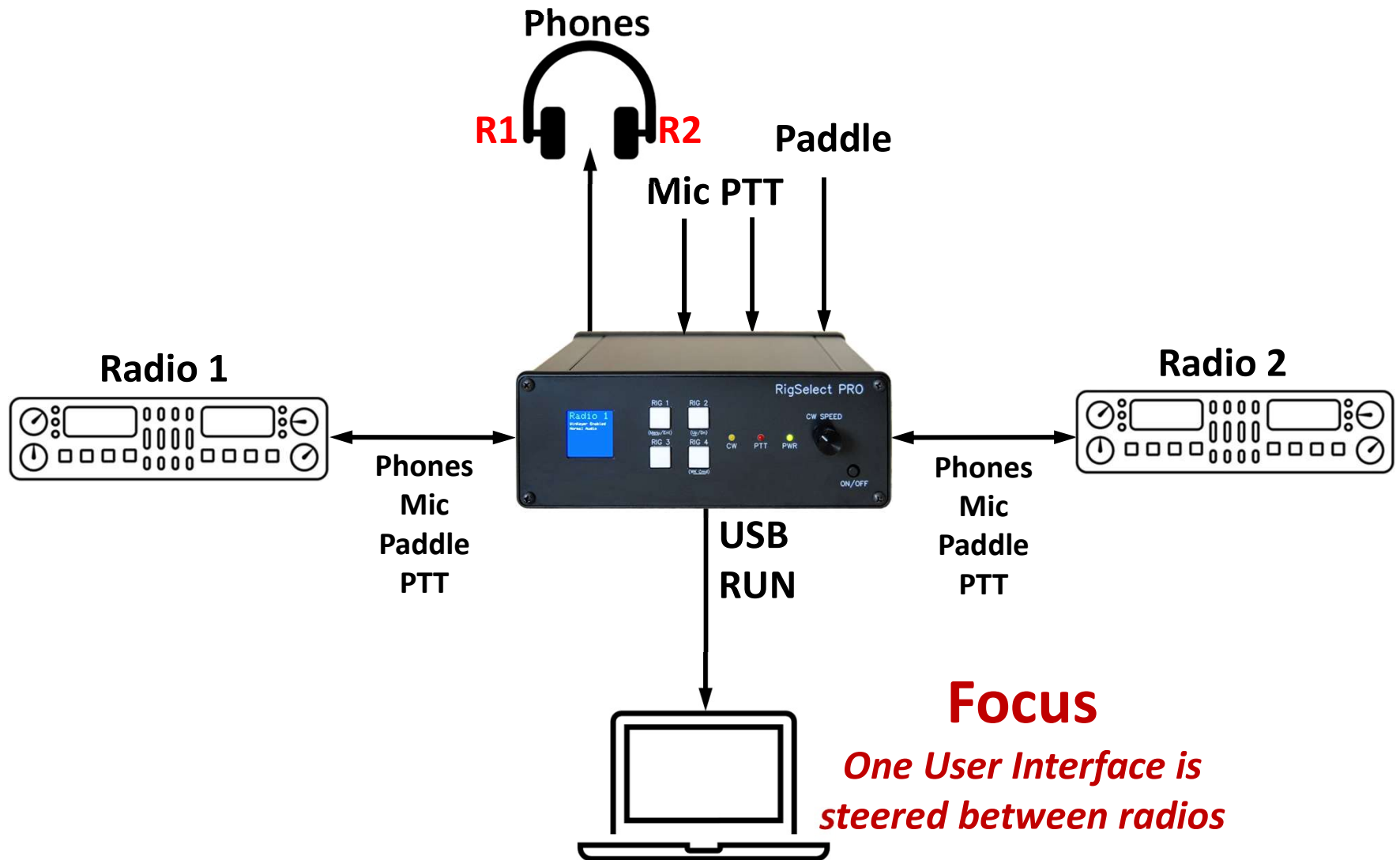
Typical Logging Connections



APP port connection – RigSelect App

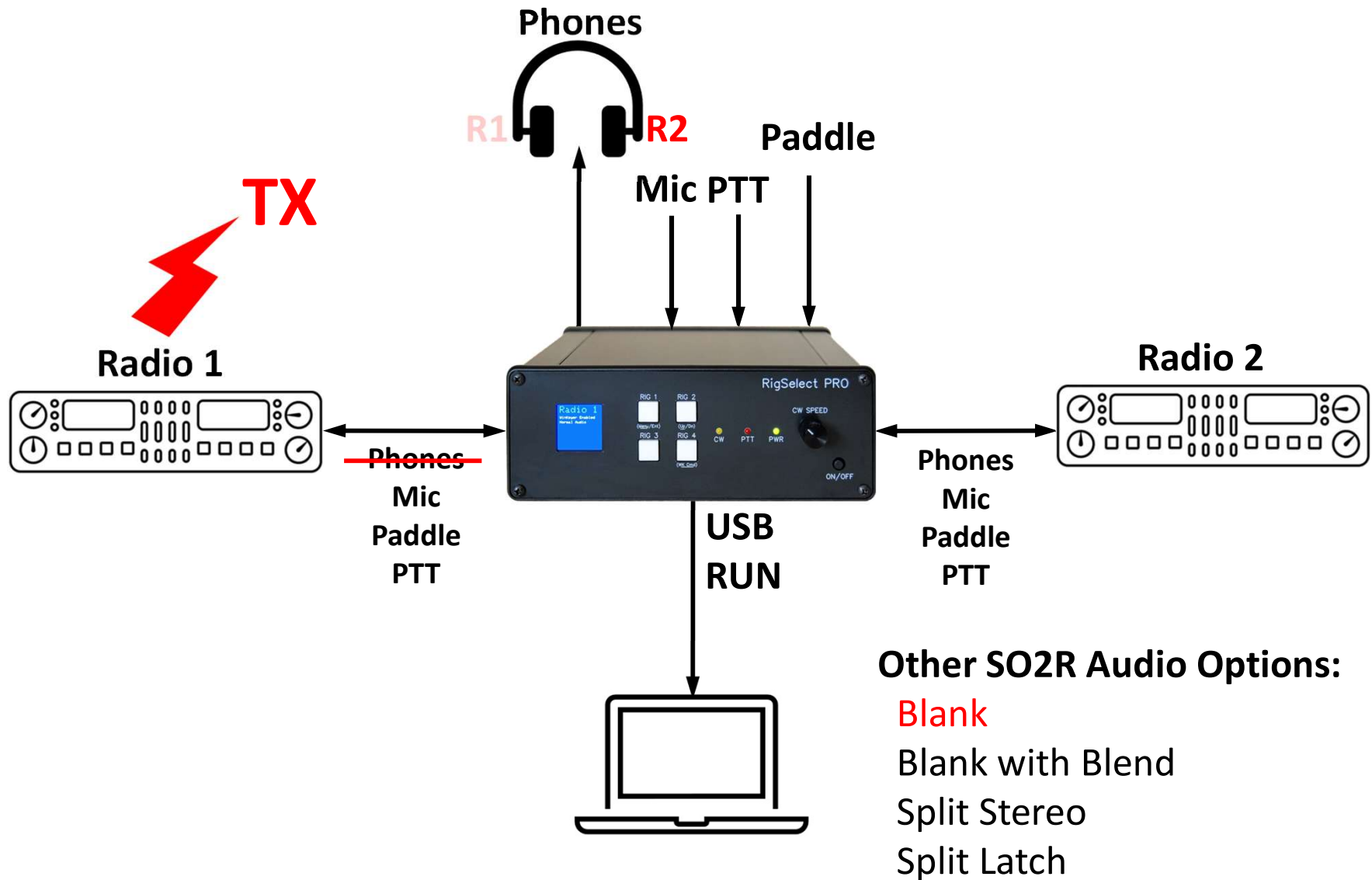
The image displays four screenshots of the RigSelect App interface, version 7.50, arranged in a collage. The top-left window shows the 'Setup' tab with controls for L1, R1, T1, and four RIGs (1-4), each with WinKey and Paddle options. It also includes SO2R Controls, Serial Controls, and buttons for saving and reading EEPROM data. The top-right window shows the 'Advanced Operation Features' tab, detailing 'LEFT EARPIECE STATE AND OVERRIDES' and 'RIGHT EARPIECE STATE AND OVERRIDES' for four radios (R1-R4). It includes a diagram of the Tip Bus and Ring Bus connections to a headset. The bottom-left window shows the 'RigSelect Tools and WinKeyer' tab, featuring tools for SO2R testing and WinKeyer settings like Speed (WPM), CW Weight, and PTT Lead-Tail. The bottom-right window shows the 'RigSelect PushButton Configuration' tab, detailing 'FRONT PANEL PUSH BUTTON ASSIGNMENTS' for RIG 1-4 and their DBL (Double) functions.

RigSelect in Basic SO2R Operation



SO2R Operation with Enhanced Audio

Example of Blanking



SO3R – Some Options

In the absence of SO3R support by logging programs, there are at several options available using RigSelect.

- 1. Round Robin with SO2R Pairs**
- 2. Background monitor signal**
- 3. Combination of both of the above.**

Round Robin SO2R Pair Method

- **Build macro commands to select R1/R2, R1/R3, R2/R3**
- **For example, theRigSelect command R1/R3 would look like this: `#%AA1 #%BB3 #%ST1`**
- **Send the commands to RigSelect:**
 - **Front panel pushbuttons**
 - **RigSelect App**
 - **Keyboard macro program ?? Logging program??**
- **Switch between pairs**

Multiple Radios in one Audio Channel

- **RigSelect's Audio Overrides feature is unique.**
- **Use the RigSelect App to visualize setup.**
- **Overrides via RigSelect commands.**

Overrides Visual 1

Standard R1/R2 stereo audio selection

Advanced Operation Features Ver. 7.50

LEFT EARPIECE STATE AND OVERRIDES

	L	R	L	R	L	R	L	R
Radio Audio								
Override ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Override OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configured State	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Tip Bus L R

Radio **R1** **R2** **R3** **R4**

Ring Bus

Configured State	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Override OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Override ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radio Audio	L R	L R	L R	L R

RIGHT EARPIECE STATE AND OVERRIDES

Override Memories: STORE 1 RCL 1 STORE 2 RCL 2 STORE 3 RCL 3

Other Advanced Feature Controls

BX Mode OFF/on DX Mode OFF/on PTT Master ON/off RigSelect Firmware Upgrade

L1 R2 T1 Audio & TX Display









Overrides Disabled

Overrides Visual 2 – Now SO3R

Adding left audio channel of R3 to left audio output

Advanced Operation Features Ver. 7.50









LEFT EARPIECE STATE AND OVERRIDES

	Radio Audio L R		L R		L R		L R	
Override ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Override OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Configured State								

Tip Bus L R

Radio **R1** **R2** **R3** **R4**

Ring Bus

	Radio Audio L R		L R		L R		L R	
Configured State								
Override OFF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Override ON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Overrides Enabled

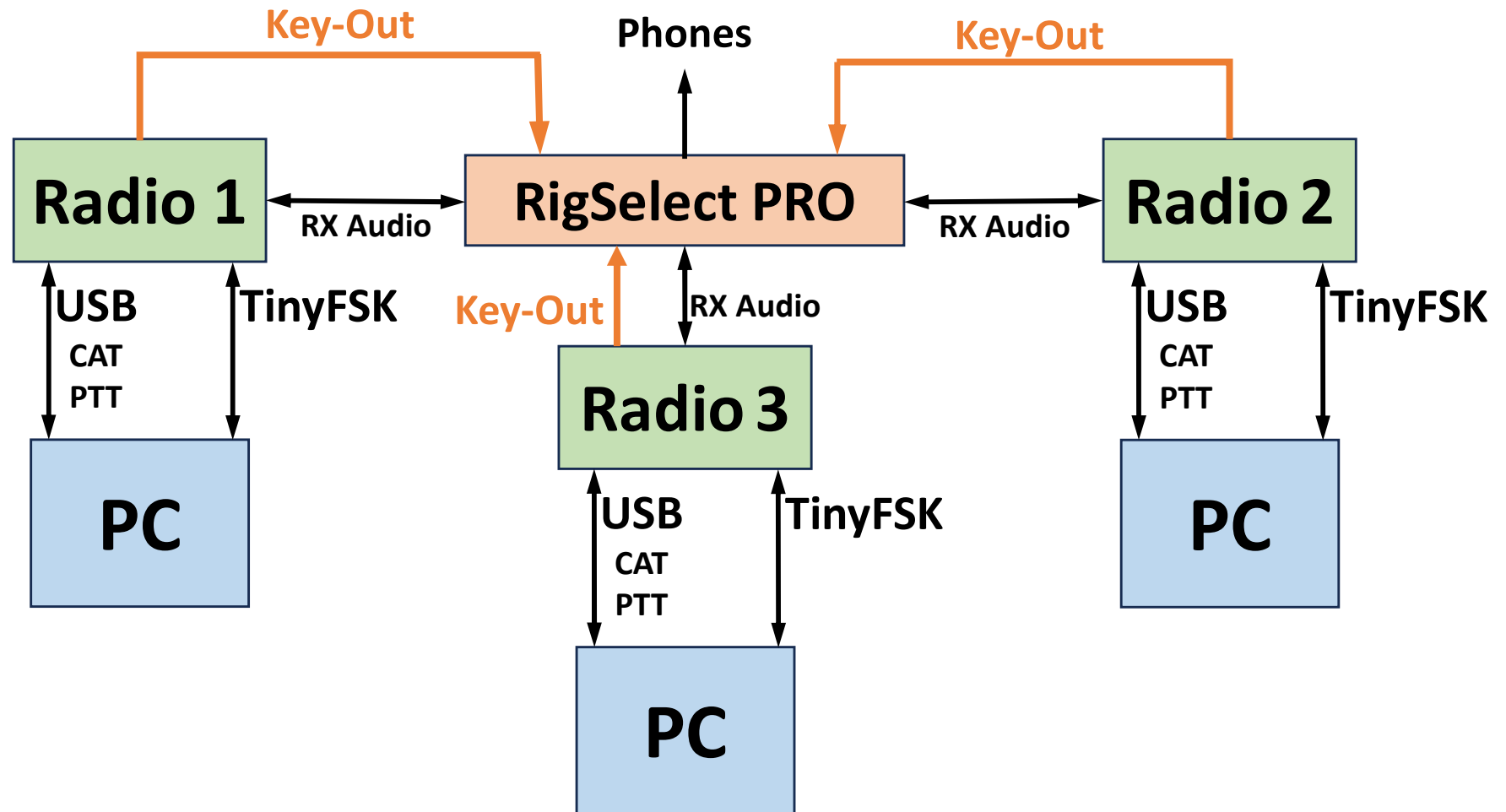
RIGHT EARPIECE STATE AND OVERRIDES

Override Memories: STORE 1 RCL 1 STORE 2 RCL 2 STORE 3 RCL 3

Other Advanced Feature Controls

BX Mode OFF/on DX Mode OFF/on PTT Master ON/off RigSelect Firmware Upgrade

SO3R RTTY with RigSelect PRO



Future Possibilities

- **Use/improve RigSelect's #%DX feature to control a networked SOnR configuration.**
- **Multi-radio TX lock-out capability.**
- **What would you like RigSelect to be able to do?**

Questions ???

I hope you've learned some new tricks!

Experiment! There's a big green field awaiting!

Thank You!

- **I'll be at the DX Engineering booth during Hamvention with demo RigSelect units. Please stop by!**
- **Visit the RigSelect website at <https://RigSelect.com>. There is a lot of information plus downloadable manual and RigSelect App.**