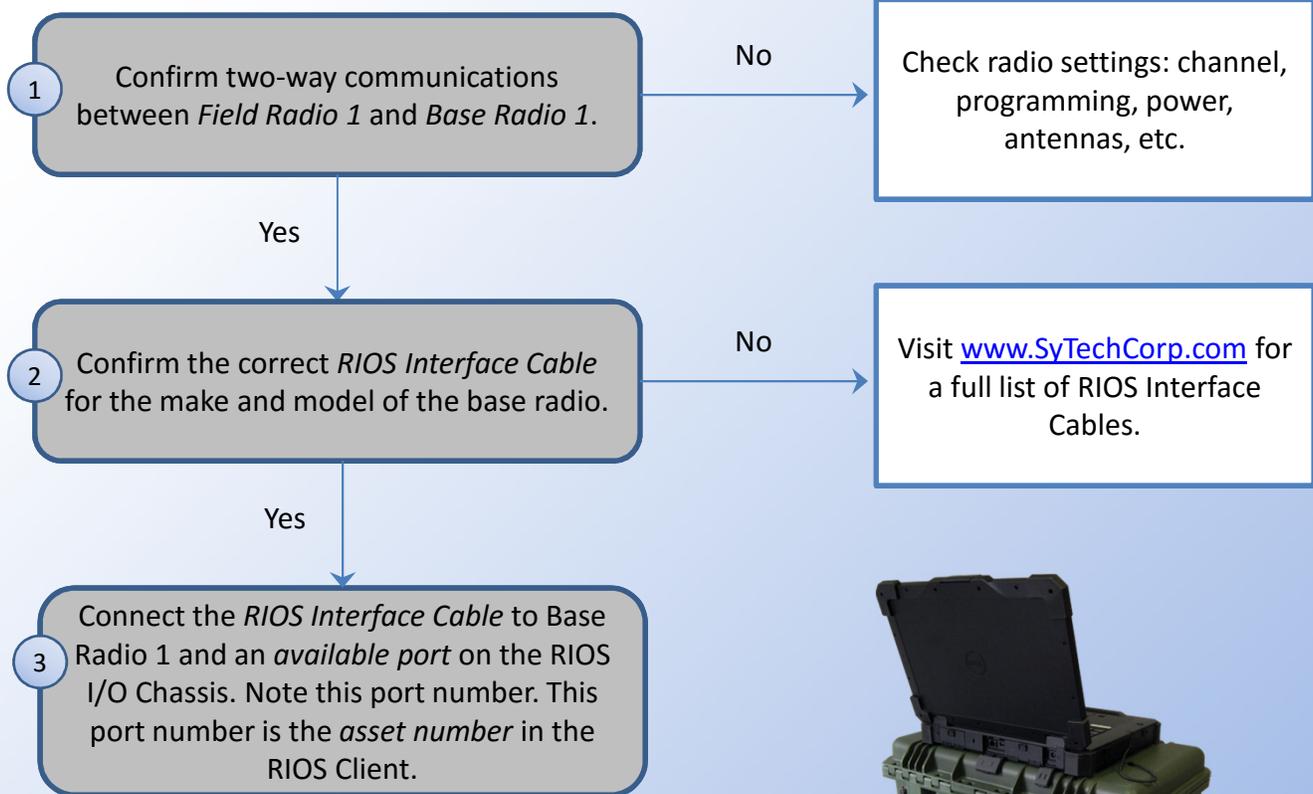
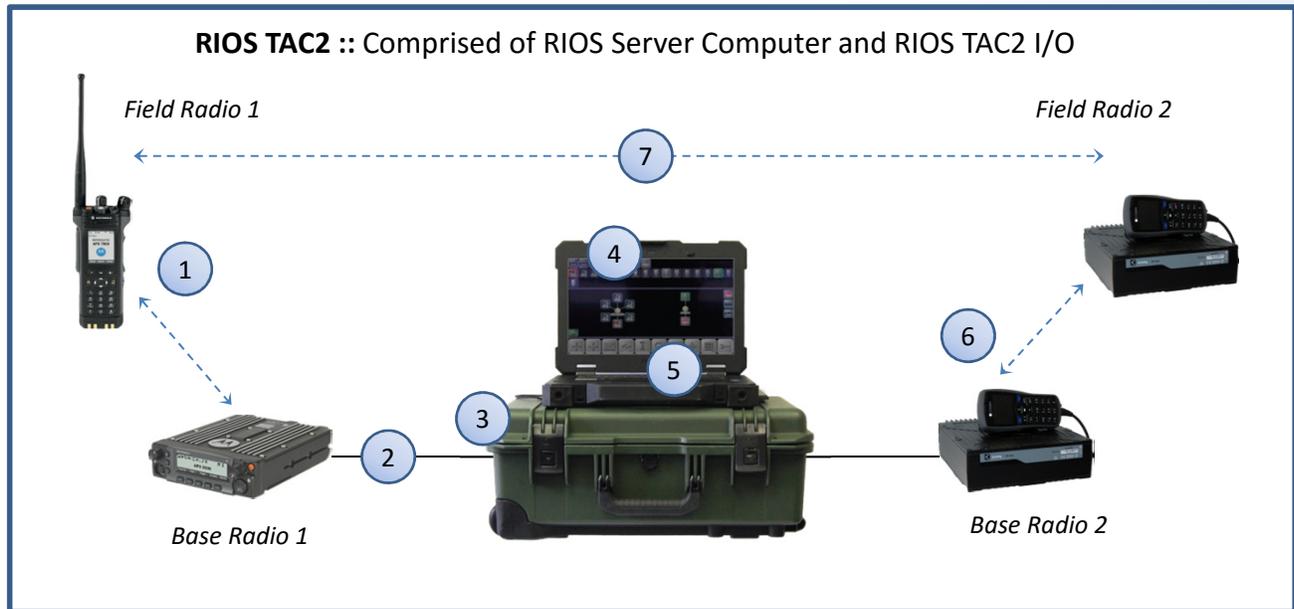


# Establishing Radio Connections with the RIOS Gateway

Follow the start up procedures for powering the gateway and computer.  
Log into the RIOS Client from the server.



4 Transmit from *Field Radio 1* to *Base Radio 1*.  
1. Does the corresponding asset number within the RIOS Client turn **GREEN**?

No

1. Check the interface cable connections on the radio and the I/O port.
2. Increase the input gain of the I/O port. CONFIG > Pick the Port > RIOS Input. Input gain on the TAC2 should be no less than 15+. Adjust this setting for best audio quality.
3. Confirm the use of the generic profile for the I/O port. Contact SyTech if issue continues.

Yes

5 Monitor the audio of *Field Radio 1*.  
Select the LISTEN Function > Pick the Asset > Complete the request by deselecting LISTEN. The asset will appear in the Monitor Column on the right-hand side of the screen.

Transmit from *Field Radio 1* to *Base Radio 1*. Do you hear the audio from *Field Radio 1* coming from the computer? The computer asset should turn **RED** when it emit audio.

No

1. Confirm Windows audio from the computer. This can be accomplished with the Speaker Icon on Windows System Tray.
2. Confirm the correct audio driver that's associated with RIOS. Select CONFIG > Audio Settings. A blue drop-down menu will appear. These drivers will associate manually with the computer's audio path.

6 Repeats 1 – 5 for *Base Radio 2* and *Field Radio 2*.

7 Create a Talkgroup between *Field Radio 1* and *Field Radio 2*.

Select the TALKGROUP Function > Pick the Assets > Complete the request by deselecting the TALKGROUP.

Transmit from *Field Radio 1* to *Field Radio 2*. Do you hear the audio from *Field Radio 1* at *Field Radio 2*? The generic radio asset turns **RED** to indicate that it's transmitting.

No

Various issues: Is the channel repeated? What is the separation in frequencies? Contact SyTech to discuss the issue. Call RIOS Support at 703-941-7887 or email at [RIOSsupport@SyTechCorp.com](mailto:RIOSsupport@SyTechCorp.com)

Yes

Complete. Maintain radio power. Connect additional radios, etc.