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## Recording .wav Files to the RQA Series Quick Assist<sup>®</sup> and RQT Series Quick Talk<sup>™</sup>

The Ritron RQA Series Quick Assist<sup>®</sup> and RQT Series Quick Talk<sup>™</sup> are capable of recording audio signals from the sound card output of your PC. Using Ritron programmer RQT-PCPS-1 you can play a pre-recorded .wav sound file on your computer, apply the computer's audio output to the RQA or RQT, and record it into the radio.

**IMPORTANT**

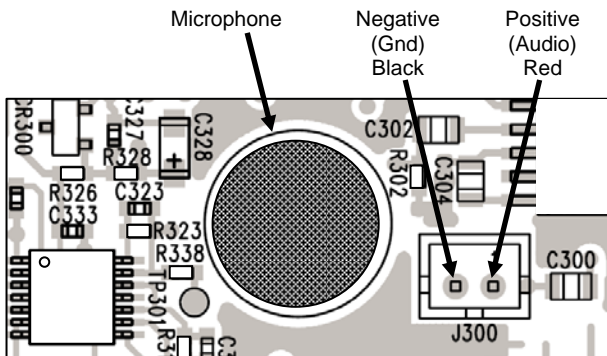
The RQA Series Quick Assist<sup>®</sup> and RQT Series Quick Talk<sup>™</sup> does **NOT** allow you to "download" the .wav audio file directly into the radio via USB. The .wav file must be played on the computer with it's audio output applying the audio signal to the radio.

### STEP-BY-STEP INSTRUCTIONS:

Before you begin, be sure the radio has been completely programmed to your desired, final configuration.

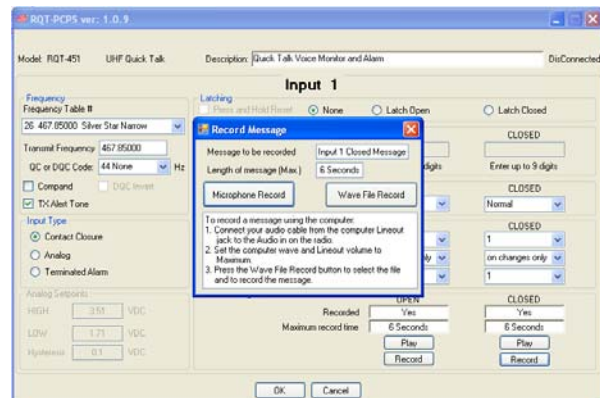
#### 1. Connect the computer audio output to the RQA Series Quick Assist<sup>®</sup> or RQT Series Quick Talk<sup>™</sup>

This will typically be a 3.5mm stereo jack on the back or side of your computer marked as AUDIO OUT. This output is where you might connect desktop speakers or headset. The computer audio is connected to the RQA or RQT Audio Input via 2-pin header J300 shown below, located beside the RQA or RQT on-board microphone. A 3.5mm to 2-pin audio cable (60201123) is available from Ritron for connecting to the computer. If you choose to create your own cable, a 2-pin mating connector is available from Ritron (2142D020) with a 6" wire length.



When removing the 2-pin connector from J300 Audio Input grasp and pull the connector housing. Do **NOT** remove by pulling on the wires as damage may result.

2. Connect the USB programming cable from the computer to the RQA or RQT and read the radio programming using the Ritron RQT-PCPS-1 Programmer. Consult the RQT-PCPS-1 user manual for detailed information on programming the radio.
3. Using the Ritron RQT-PCPS-1 Programmer, select the message you would like to record.
  - a. Press the **Record** button for the desired message. A Record Message screen will appear as shown below.
  - b. Press the **Wave File Record** button to select the .wav file to be recorded.
  - c. Using standard Windows navigation, select the .wav file to be recorded and press the **Open** button.
  - d. The programmer will place the radio into record mode and play the selected .wav file.



#### 5. Press the **Play** button to hear the recorded message transmitted on the programmed radio frequency.

To hear the message you will need a companion radio whose receiver is programmed to the RQA or RQT transmit frequency.

#### Adjusting the audio output level from a PC

The overall sound quality of the message heard through a receiving radio will depend on the quality of the recorded message. Because the recording of .wav files does not engage automatic gain control, it is imperative that the signal level of the audio presented to the input of the recording circuit be optimal. This can be achieved by opening the SOUND PROPERTIES applet from the CONTROL PANEL of your PC. If using test equipment to check the signal level, a 1V P-P signal measured at J300 is recommended. If test equipment is unavailable, a simple trial and error approach can be used to achieve the best sound quality of the broadcasted message.