



## UNO-TS2, UNO-TS2D Touchscreen Firmware and Screens Update Procedure

**Note:** When a Firmware and/or Screen update is released, it is available online at the Document Center on [www.russound.com](http://www.russound.com), in Firmware Software Updates under RNET Systems. The firmware update procedure may have been updated, so always check for the latest version.

**Note:** Before starting the update procedure, install UNO-TS2 Loader program on PC, download update files and connect the Programming Cable from the PC to the OS update port on the front of the UNO-TS2/UNO-TS2D.

**Note:** If there is a Screen and Firmware update, it is recommended to perform the Screen update first and then the Firmware update. This will prevent having to put the TS2 back into update mode after a Firmware update to do the Screen update.

### Equipment Requirements:

1. PC computer running Windows 98, 2000, XP operating system
2. Available DB9 serial RS-232 data port
3. Russound Programming Cable (Russound P/N 2500-121036)
4. Russound UNO-TS2 Loader software program

**Note:** The same A/C power circuit should be used for the system and the PC. Otherwise a ground loop may affect proper data transfer. A battery-powered laptop can also be used.

### Initiate "Update Mode" on Touchscreen

There are two ways to initiate Update Mode on the touchscreen. Method A enters the OS Update mode through the touchscreen's Firmware Update screen. Method B is an alternate way if for any reason the touchscreen's screens are not functioning.

#### Method A: (Preferred Method)

1. Turn on the UNO-TS2.
2. Press the "Options" button on the home screen.
3. Press the "Screen Setup" button.
4. Press and Hold the "Installer Setup" button for 3 seconds to access the Installer configuration menu.
5. Press the "Firmware Update" button.
6. Press the "Update my software" button.
7. Now you are in Update mode and can use the UNO-TS2 Loader from the PC to perform the necessary updates.

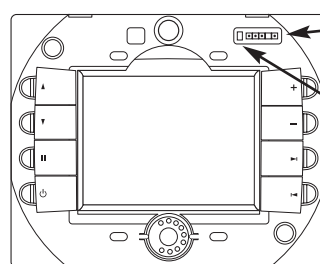


UNO-TS2 main screen



#### Method B:

1. Cycle power on the controller OR press the reset button on the UNO-TS2.
2. Immediately after Step 1, press and hold the top left corner of the screen until the UNO-TS2 fully boots up (several seconds).
3. Now you are in Update mode and can use the UNO-TS2 Loader program from the PC to perform the necessary updates.



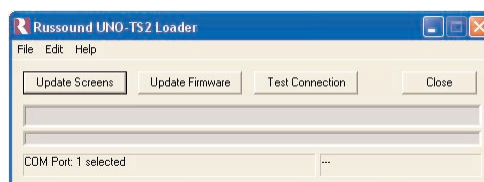
UNO-TS2 without front cover plate

- 1 OS UPDATE PORT - For programming cable connection
- 2 RESET BUTTON - Resets UNO-TS2

### UNO-TS2 Loader Launch:

Use the UNO-TS2 Loader program to perform Screen and Firmware Updates:

1. Open the UNO-TS2 Loader on the PC.
2. Configure the UNO-TS2 Loader to work with the COM Port on your PC by entering the "Preferences" under the Edit menu.



### Screen Update Procedure:

1. Select "Update Screens."
2. Browse to the new Screen file location and select "Open."
3. You will see a pop-up window with the text: "This will erase the current UNO-TS2 screens. Proceed?"
4. Select "Yes" unless you have selected the incorrect file.
5. Wait about 15 – 20 minutes while the new Screens are being loaded.

### Firmware Update Procedure:

1. Select "Update Firmware."
2. Browse to the new Firmware file location and select "Open."
3. You will see a pop-up window with the text: "This will erase the current UNO-TS2 firmware. Proceed?"
4. Select "Yes" unless you have selected the incorrect file.
5. The Firmware update should finish in a few minutes.

### Completion:

1. Disconnect the Programming Cable from the touchscreen and the PC.
2. CYCLE POWER or PRESS RESET BUTTON on the UNO-TS2.

Contact Russound Technical Support for assistance if needed at 1-866-888-7466

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