

CTS-5500+ Ultrasound - Software Upgrade v1.44

THE UPGRADE

1. On your computer, go online and download and save the zip file from this location, saving to your desktop:

<http://siuiamerica.com/support/downloads/cts-5500.zip>

2. Double-click the downloaded file to unzip the folder it contains. This will create a folder named "CTS-5500" on your desktop.

3. Go into the unzipped folder and you will find a folder named "update." Copy THIS folder (the actual entire "update" folder) to your USB thumb drive.

Note: You do not want to copy the whole folder "CTS-5500" to the USB drive, but rather the folder inside of that, which is named "update". It is this "update" folder that needs to be moved to your USB drive.

4. Power on the CTS-5500+ ultrasound.

5. Insert the USB thumb drive in the back (I like to use the top USB slot).

6. Press MENU on your ultrasound (three buttons to the right of your spacebar), use your trackball (or "Value" knob) to highlight "Update System," and press "Enter" (to the right of your trackball). Highlight "Software Update" and press "Enter" again.

7. Wait for it to complete the process. It might restart the system for you. Wait it out, and do not interrupt the update as it is running and do not turn off the machine until it is finished. (If you do, bad things can happen.) After everything finishes, it will turn off your ultrasound. Let it sit a few seconds, then turn it back on.

CHECKING YOUR CUSTOM SETTINGS

Here are the settings I want you to check before re-creating your Podiatry exam type:

1. If your practice name isn't at the top left corner of the screen anymore, press "MENU" (three buttons to the right of your spacebar) and with "System Set-Up" selected press "Enter." Select "Facility Name" from the list and press "Enter" again. Now you can type in what you want at the top of the screen. (If you need to make a correction, use the backspace key at the top right of your keyboard.) Once you have it the way you want it, press "Menu" again to exit and save the change. (Note: do not press "Enter" at the end, but rather "Menu" to save the change and exit.)

2. With a live image (make sure it says "Focus" at bottom right — if it says "Scroll," go ahead and press "Freeze" to unfreeze the image), press the "T-Ball" button above the trackball, and roll the trackball down while looking over in the box of numbers on the left side of the screen. You should see the cursor moving down through the various settings there. Make sure that "Frequency" is set to 7.5 MHz, "Width" is set to 50mm, and "ENH" is set to 3. (If any of these are not set properly, highlight the number using the trackball and turn your "Value" knob to change the value to where you want it.) When finished, press "T-Ball" again to exit.

3. I also like to press "Menu" and with "System Set-Up" highlighted press "Enter" ... then scroll down about halfway and find the settings for "Auto Freeze" and "Screensaver" and make sure both are set to "OFF." If either isn't, highlight it, press "Enter," select "Off" and then press "Enter" again and then "MENU" once more to exit.

CREATING THE PODIATRY EXAM TYPE

With those all set properly, you will likely need to re-create the custom Podiatry exam type. Here is how you do that:

1. This time press "EXAM" (two buttons to the right of the space bar).
2. Scroll all the way to the bottom of the box that comes up, highlighting "User Defined From Active" and press "Enter."
3. In the box that comes up, type "Podiatry" and press "Enter" again.
4. You should now see this in the list of exam types: "U Podiatry" (meaning user-defined podiatry exam). Highlight this and press the letter "S" (up on the keyboard, the actual "s" key — this will SET the exam type as your new default). Now the list of exam types will have this on it: "U # Podiatry." Highlight that and press "Enter" again. The dialogue box should disappear and you should see "Podiatry" now at the bottom left as your exam type.

CUSTOM PODIATRY ANNOTATIONS

Now for something fun. If you have a couple more minutes, you are going to like this a lot. This is going to dramatically speed up your ability to annotate your ultrasound images.

- 1.) Press MENU and with "System Set-Up" selected press Enter.
- 2.) Scroll to the very bottom of the list, which I believe is something like "Annotation Edit," and press Enter.
- 3.) A window will pop up. Before starting to type stuff in, it should be highlighting "Exam" up near the top left — press Enter, then in the resulting menu scroll down and highlight the custom exam type you have set up on your system (should be the bottom item in the list: probably "Podiatry" or "Podiatric" or "Foot Ankle"). With that highlighted, press Enter. This will take you back to the original annotation window.
- 4.) Using the scroll ball, move down to the first field and start typing, dropping down the next field with your trackball as you go. You probably want to put things you use most commonly at top. Typical entries include:

Left
Right
Plantar Fascia (though it may only have room for "PlantarFascia" without a space)
Calcaneus
Neuroma
Injection
Achilles
Tendon
Metatarsals
Met Head (or maybe Metatarsalgia)
Foreign Body
Ganglion
Sesamoid
Rupture
Hematoma

You have room for 15 of them. Pick things you imagine using often and would like to avoid having to type out every time. If you need to fix anything, just use the backspace key and type it in the way you want. When you finish, go to the bottom of the box and highlight "Set" (or "Save") at the bottom left and press Enter.

With these programmed into the system, after pressing "Freeze" to freeze an image you can use the "Annot" button to the left of the space bar to display this menu. Use the trackball to scroll down through the items, selecting them with "Enter" and moving the word around on the screen using the trackball, then sticking it on the screen with "Enter" again. (You can then either select another word from the annotation menu to move around on the screen, or you can make the little menu go away by pressing "Esc" to the left of the trackball.)

Give this a try. Having custom annotations in your system is going to make annotating your images much, much quicker.