



## Acurus Tools Windows Application

### Firmware Updating Instructions

#### Section I - Acurus Processor (ACT4 20 or MUSE)

#### Section II - M8

#### Section III - ASPEQT

##### **Equipment Requirements:**

1. Acurus ACT 4 20 or MUSE with firmware version 2.100 or above.
2. Windows 10 PC with minimum 1 USB port.
3. FTDI Virtual Com Port (VCP) driver installed (driver install required only if the ACT 4 COM port is not recognized and assigned automatically by the PC). See <http://www.ftdichip.com/Drivers/VCP.htm> for more information and download the [Windows setup executable](#) if needed.
4. USB cable to connect PC to the processor.
  - a. ACT 4 20 uses a mini-USB (camera type) cable
  - b. MUSE uses a type A (square) cable
5. A micro-SD card reader/writer connected to the PC (optional, depending on firmware update requirements).

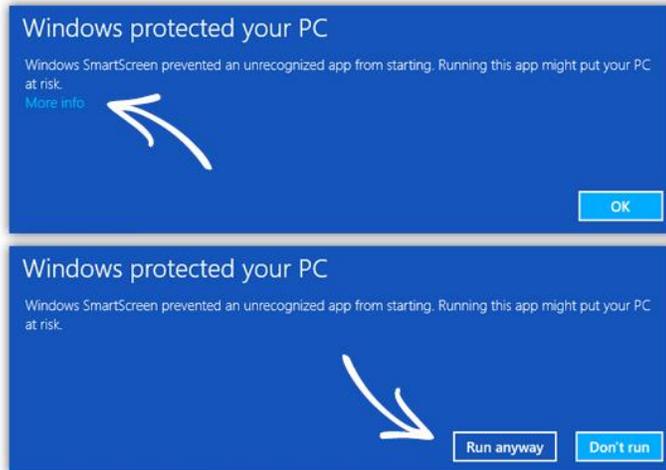
**Tools Required:** None

**Time Required:** approximately 40 minutes

##### **Preparation and Setup:**

1. Download the Acurus Tools .msi update file from Box.com – contact your Acurus dealer or rep for more information.
2. Run the .msi file to install the update application “Acurus Tools” on the PC.

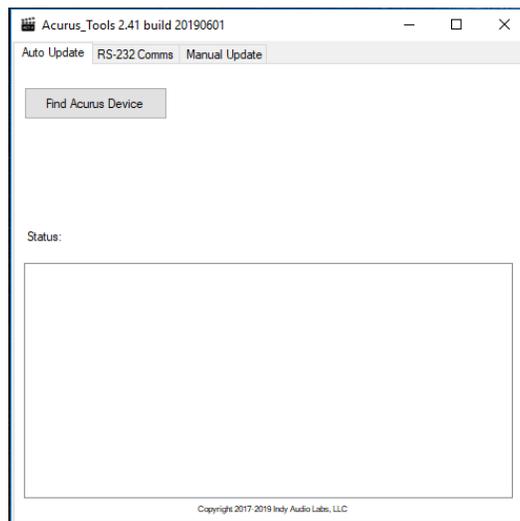
*NOTE: If Windows attempts to block installation for security reasons. Select “more info” and “run anyway” to proceed with the installation. Shortcuts to the update application and documentation will be installed to the PC desktop.*



3. Connect the PC to the ACT 4 or MUSE USB port labelled “prog” with the USB cable.
4. Power down any attached amplifiers and subwoofers.
5. Power cycle the Acurus processor and allow it to boot up completely

## Update Process Steps (ACT 4 20 or MUSE)

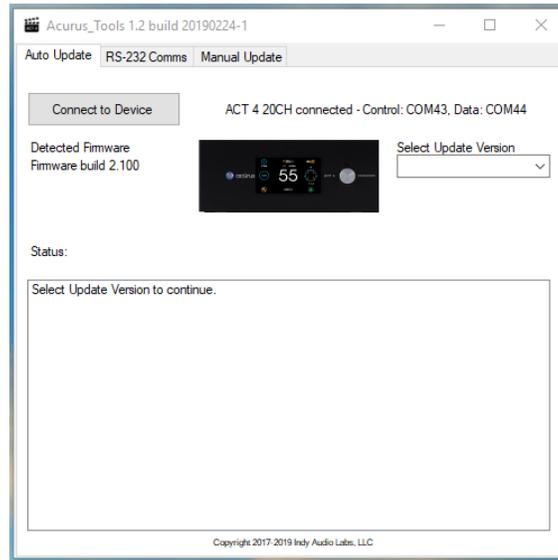
1. **LAUNCH THE ACURUS TOOLS APPLICATION** - Launch the Acurus Tools application desktop shortcut to open the screen below:



2. **DISCOVER THE CONNECTED DEVICE** - Click on “Find Acurus Device”. The Windows application will take several seconds to scan all COM ports for a connected ACT 4 or MUSE.

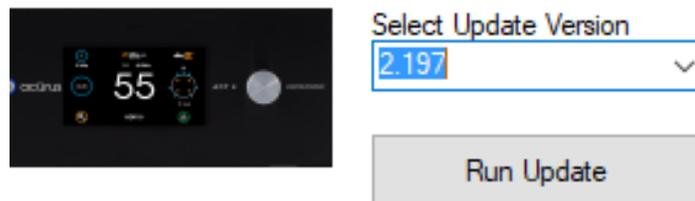
NOTE: It is necessary to have the ACT 4 or MUSE connected via USB with the rear panel power switch turned to the on position for this step.

NOTE: Only one processor can be updated at a time with the application.



- 3. SELECT A FIRMWARE UPDATE VERSION NUMBER TO INSTALL** – Next, select the firmware version to install from the drop down list on the upper right.

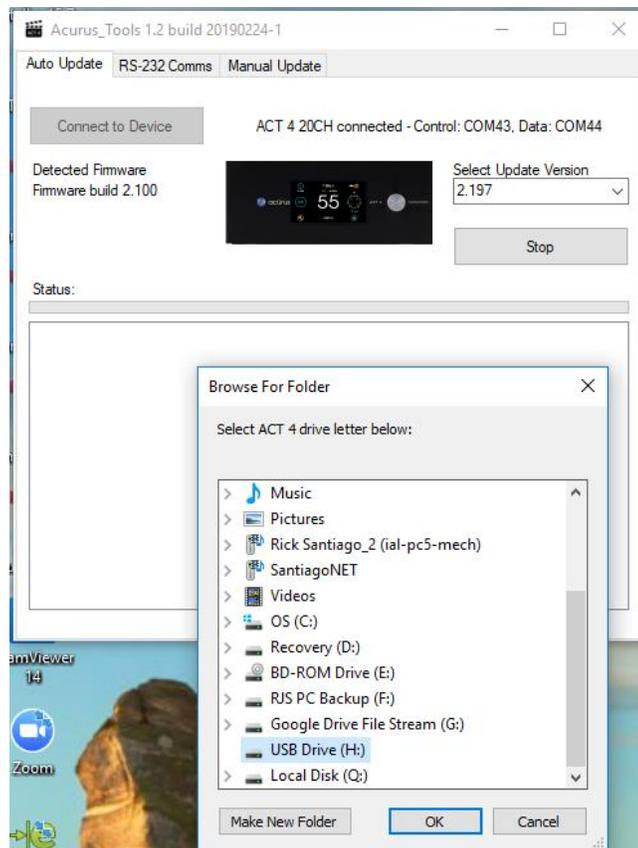
ACT 4 20CH connected - Control: COM43, Data: COM44



ate to version.2.197

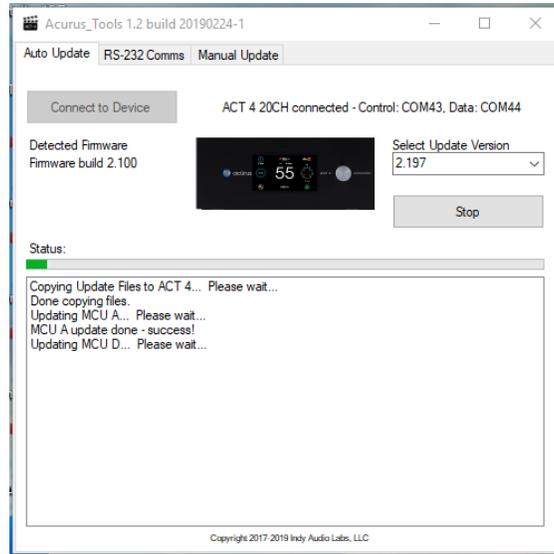
4. **BEGIN THE UPDATES** - Click on the “Run Update” button to begin the automatic updates.

5. **SELECT INTERNAL USB DRIVE IN THE ACURUS DEVICE** - The ACT 4 20-channel and MUSE both contain an internal USB storage drive to increase the speed and reliability of updates. At this step, you may, depending on the particular update being applied, be prompted to select the drive letter of this internal drive. Windows will usually open an Explorer window just before this prompt appears. The drive letter to select matches the drive shown in the new Explorer window.

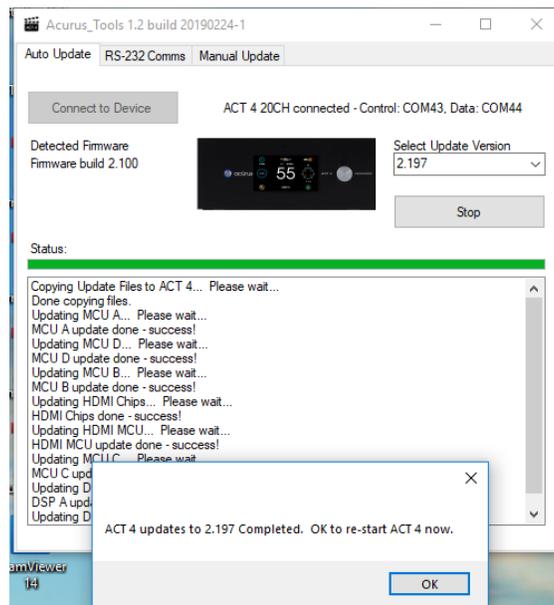


6. **CONTINUE REMAINING UPDATES** – After copying files, the application will then continue the update process automatically. It is normal for cmd.exe and other windows

to appear periodically. It is also normal for the Acurus unit to reboot multiple times during the update. A progress bar indicates relative time remaining as the update continues. Allow up to 40 minutes for the complete update.



- 7. UPDATES COMPLETED** – When completed, the below message appears. The Acurus unit will automatically restart and run with the new firmware.



## Section II - M8 Amplifier Firmware Updating Instructions

### Equipment Requirements:

- 1) Acurus M8
- 2) Windows 10 PC with minimum 1 USB port.
- 3) FTDI Virtual Com Port (VCP) driver installed (driver install required only if the ACT 4 COM port is not recognized and assigned automatically by the PC). See <http://www.ftdichip.com/Drivers/VCP.htm> for more information and download the [Windows setup executable](#) if needed.
- 4) USB A to B cable to connect PC to the M8.

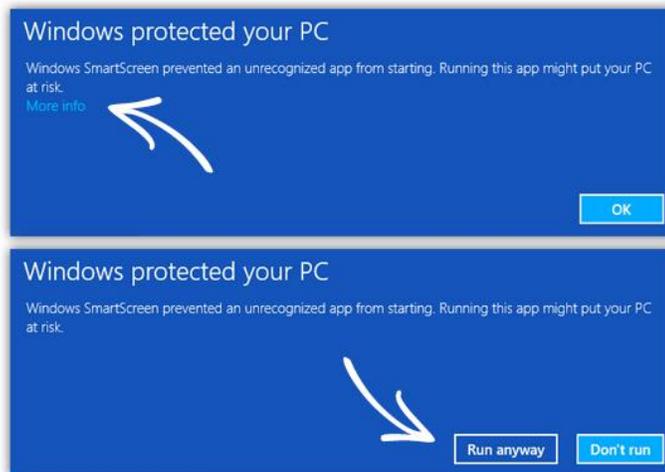
**Tools Required:** None

**Time Required:** approximately 5 minutes

### Preparation and Setup:

- 5) Download the Acurus Tools .msi update file from Box.com – contact your Acurus dealer or rep for more information.
- 6) Run the .msi file to install the update application “Acurus Tools” on the PC.

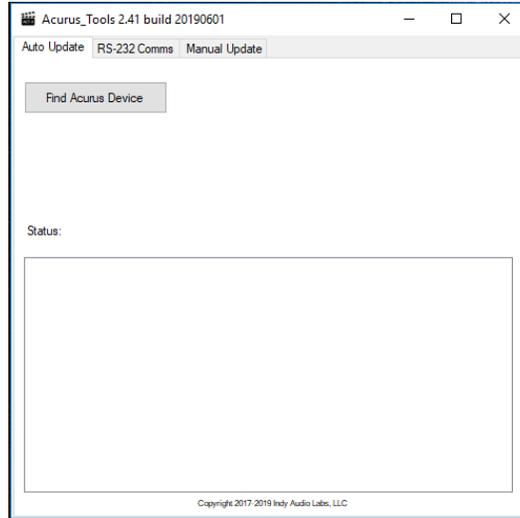
*NOTE: If Windows attempts to block installation for security reasons. Select “more info” and “run anyway” to proceed with the installation. Shortcuts to the update application and documentation will be installed to the PC desktop.*



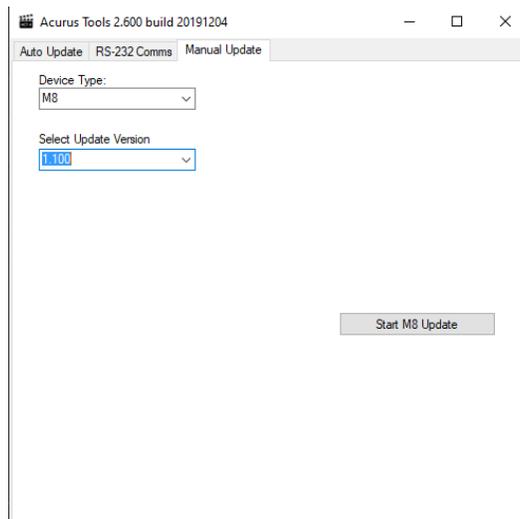
- 7) Connect the PC to the M8 USB port labelled “prog” with the USB cable.
- 8) Power cycle the Acurus M8

## Update Process Steps (M8)

1. **LAUNCH THE ACURUS TOOLS APPLICATION** - Launch the Acurus Tools application desktop shortcut to open the screen below:



2. **CLICK ON THE MANUAL UPDATE TAB** – Select the M8 device type from the pull-down menu and then select the version to update firmware to.



3. **CLICK ON “START M8 UPDATE” BUTTON** – A DOS window will open. Follow the instructions on the DOS window. There are two phases to the update – erasing the current firmware and loading the new firmware. For each phase, the COM port must be re-entered. In case of error, simply retry the update again.

## Section III - ASPEQT Firmware Updating Instructions

### Equipment Requirements:

1. Acurus Muse or ACT4 20 with Firmware 2.840 or newer
2. FTDI Virtual Com Port (VCP) driver installed (driver install required only if the ACT 4 COM port is not recognized and assigned automatically by the PC). See <http://www.ftdichip.com/Drivers/VCP.htm> for more information and download the [Windows setup executable](#) if needed.
3. Windows 10 PC with micro SD card reader/writer

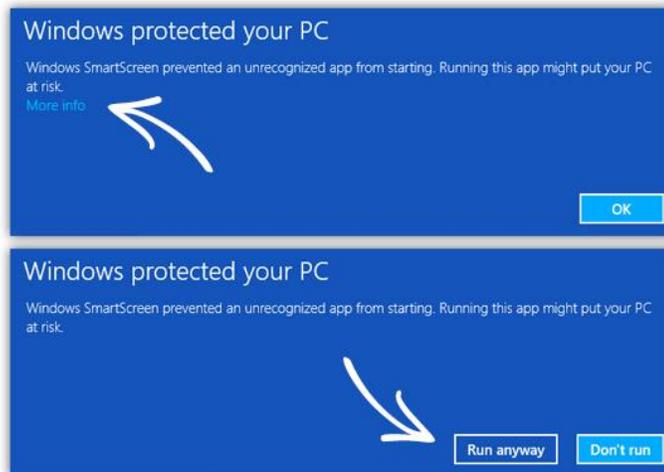
**Tools Required:** None

**Time Required:** approximately 10 minutes

### Preparation and Setup:

1. Download the Acurus Tools .msi update file from Box.com – contact your Acurus dealer or rep for more information.
2. Run the .msi file to install the update application “Acurus Tools” on the PC.

*NOTE: If Windows attempts to block installation for security reasons. Select “more info” and “run anyway” to proceed with the installation. Shortcuts to the update application and documentation will be installed to the PC desktop.*

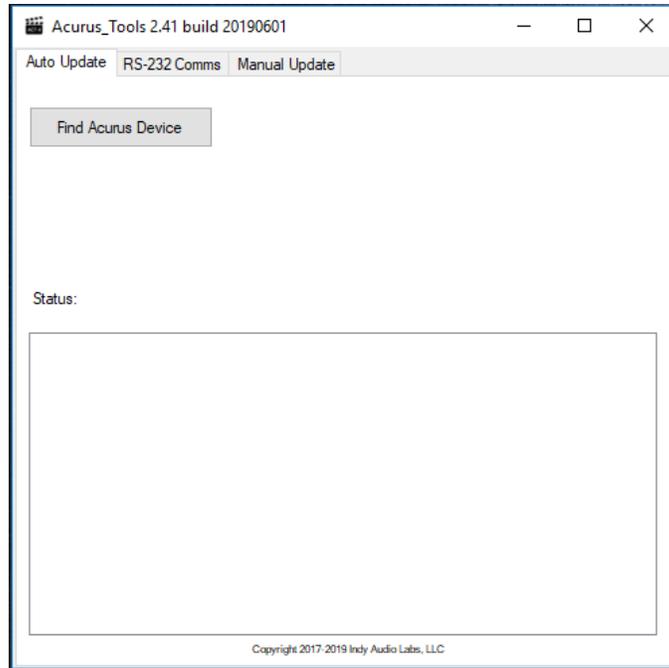


## Update Process Steps (ASPEQT)

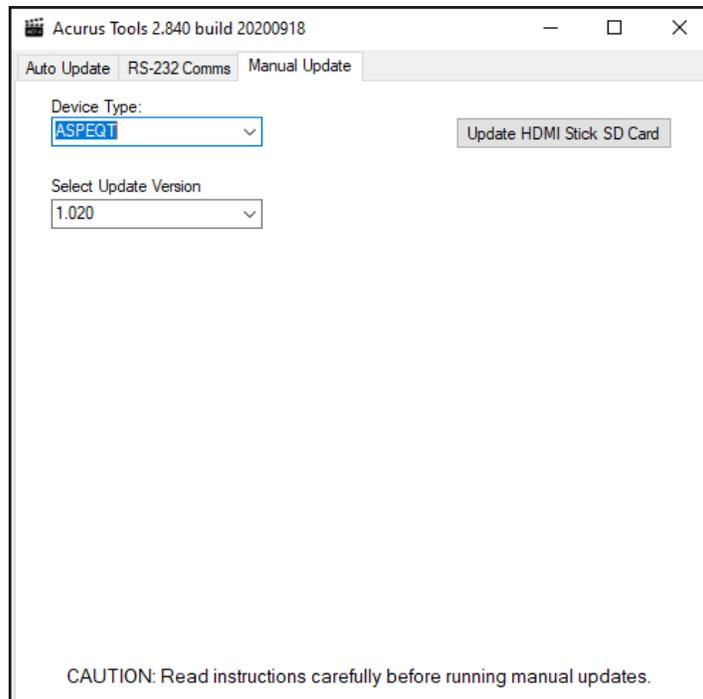
1. **REMOVE THE MICRO SD CARD** – Make sure power is off. The micro SD card is located on the side of the HDMI Stick (under the antenna).



2. **INSERT THE MICRO SD CARD IN A READER/WRITER** – This reader/writer should be connected to the same PC on which Acurus Tools is installed.
3. **LAUNCH THE ACURUS TOOLS APPLICATION** - Launch the Acurus Tools application desktop shortcut to open the screen below:



4. **CLICK ON THE MANUAL UPDATE TAB** – Select the ASPEQT device type from the pull-down menu and then select the version to update firmware to.



5. **CLICK ON THE “Update HDMI Stick SD Card” BUTTON** – A drive selection window will open. Select the drive letter containing the micro SD card. Click OK to copy the update files to the micro SD card. This process takes a minute or so.
  
6. **RE-INSERT THE MICRO SD CARD IN THE HDMI STICK** – After copying is completed
  
7. **ASPEQT WILL UPDATE AUTOMATICALLY FROM THE MICRO SD CARD UPON NEXT POWER UP**