



# QuadraTherm 640i / 780i qMix™

## Quick Activation Guide



### This Quick Start Guide is applicable for QuadraTherm® 640i/780i qMix™ activation

This guide is designed to give you an overview on how to activate your qMix™ license for your 640i/780i by either purchasing a qMix license upfront or in the field for existing customers. To get more detailed information on qMix activation and how to use qMix, please refer to the qMix manual at <https://www.sierrainstruments.com/techsupport/manuals.html>

### Upfront Purchase of a qMix License

The recommended way to activate the qMix app for your QuadraTherm 640i/780i is to purchase a license per serial number at the time of purchase by using the model code “qMix” (one license for each meter per serial number). With upfront purchase, the qMix app for your specified meter serial number will be completely activated and set up in the factory. You will have use of qMix on that particular meter for unlimited gas mix creations and uploads. Once you receive your meter with the activated qMix license, you are ready to create custom gases—just a few simple set up steps.

1. Download the most current version of 640i/780i Smart Interface Portal (SIP) software onto your computer:  
[www.sierrainstruments.com/640i-780i-SIP](http://www.sierrainstruments.com/640i-780i-SIP)
2. Power up your meter and connect your 640i/780i to your computer using RS-232 or USB/RS-232 converter
3. Open the SIP software on your computer and select “COM port”
4. Enter PW 0000 when prompted
5. Click the “qMix Gas Composition” button to start creating custom gas mixtures (See Figure 1)

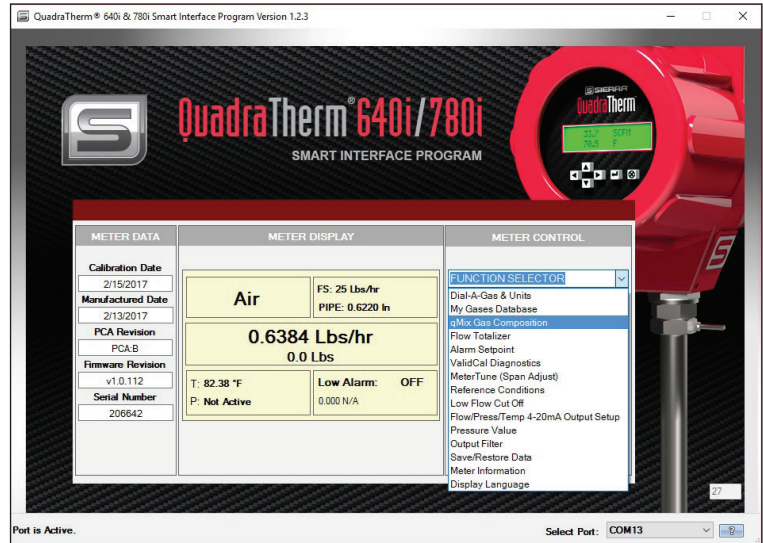


Figure 1: Main 640i/780i SIP Screen / Firmware Version in Meter Data Section

### Existing Customers: Purchase qMix License for Meters Already in the Field (Firmware 1.0.87 or higher)

To continue using the qMix app for existing customers with QuadraTherm 640i/780i meters, you will need to purchase a qMix license per serial number in the field. For existing customers, your 640i/780i must have firmware version 1.0.87 or higher to use qMix (See Figure 1). If your meter is NOT firmware revision 1.0.87 or greater, the unit must be returned to the factory for a firmware upgrade via the normal RMA process at [www.sierrainstruments.com/rma](http://www.sierrainstruments.com/rma). Read the qMix Manual for more details at <https://www.sierrainstruments.com/techsupport/manuals.html>

### Activation Steps (meters firmware 1.0.87 or higher):

1. Download the most current version of Smart Interface Portal (SIP) software. Your SIP will also notify you to download the most current version of SIP. Download SIP Software here: [www.sierrainstruments.com/640i-780i-SIP](http://www.sierrainstruments.com/640i-780i-SIP)
2. Power up your meter and connect your 640i/780i to your computer using RS-232 or USB/RS-232 converter
3. Open the SIP software on your computer and select “COM port”
4. Click the “qMix Gas Composition” button (See Figure 1)
5. The qMix Activation window will appear. Call Sierra’s Customer Support at 1-800-866-0200 and ask for Sierra Tech team to purchase a qMix license (See Figure 2)
6. The Sierra tech expert will generate a qMix activation key. Copy and paste the qMix Activation key into the textbox and click the “qMix Gas Composition” button to start creating custom gases (See Figure 1 and 2)

Once the qMix software app is activated for a meter serial number, you will have use of qMix on that particular meter for unlimited gas mix creations and uploads.

### Tutorial Video

Watch the [qMix overview video](#) to learn about activation and how to use qMix.

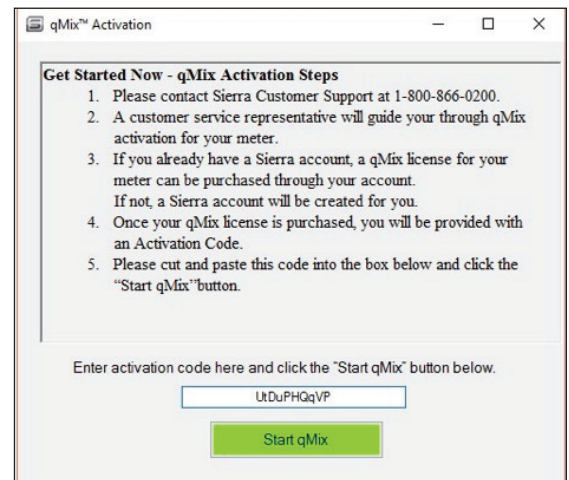
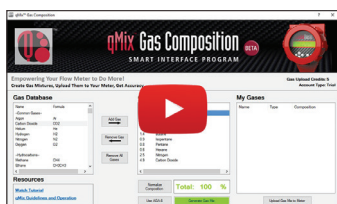


Figure 2: qMix Activation Screen