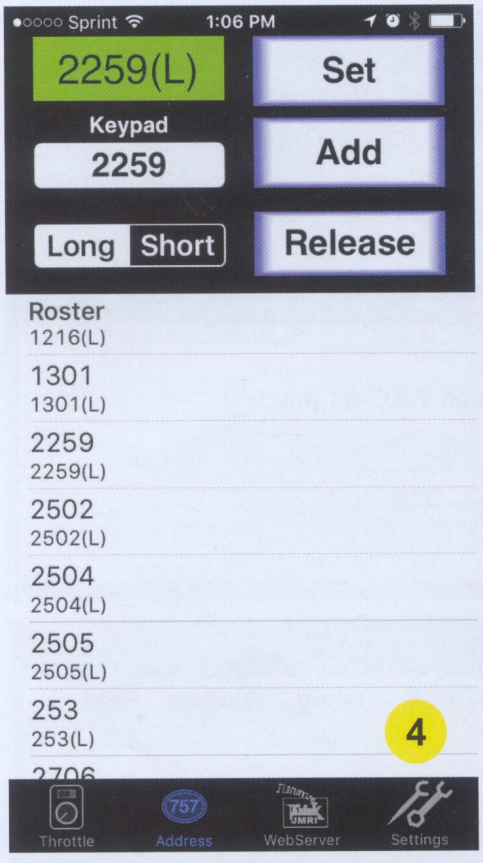
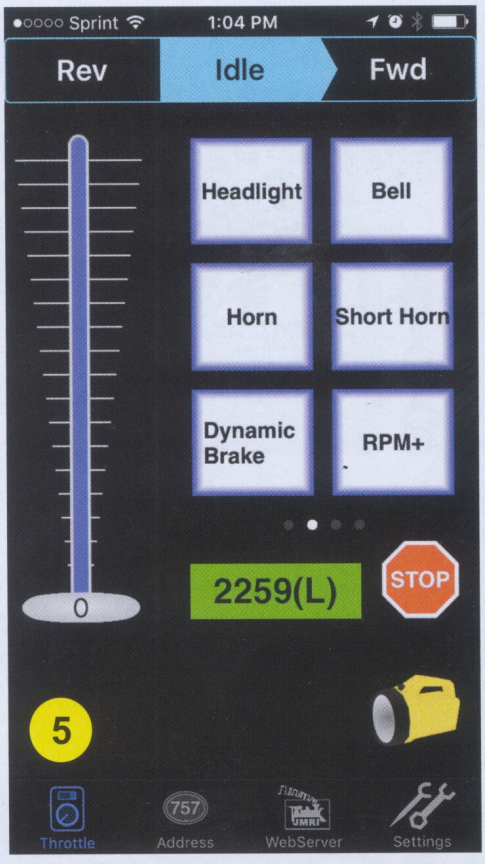
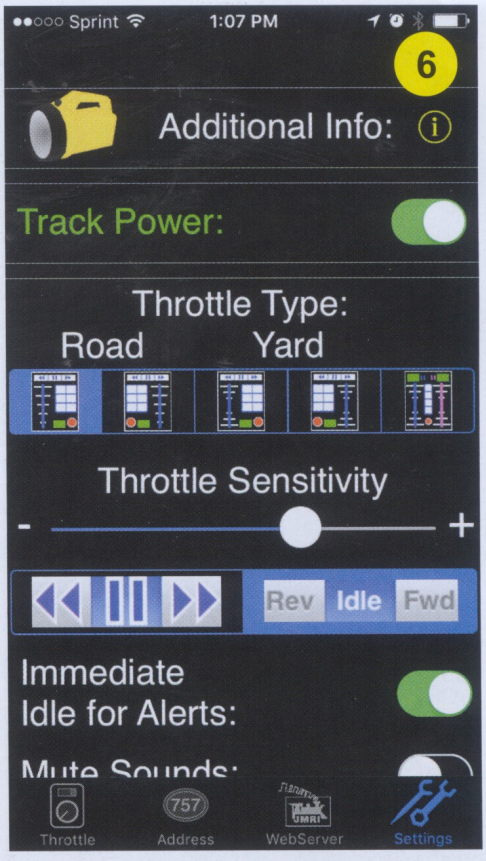


Above: **A database contains the roster of equipment being used by the throttle system. You can add and release locomotives from your consist using this window. This is a nice touch!**



Above: **The throttle window contains a sliding throttle; controls for basic CVs such as the headlight, bell, and horn; and an emergency stop button. The flashlight is the headlight. The assigned locomotive is shown in the green box. Forward, idle, and reverse are all shown at the top of the window.**

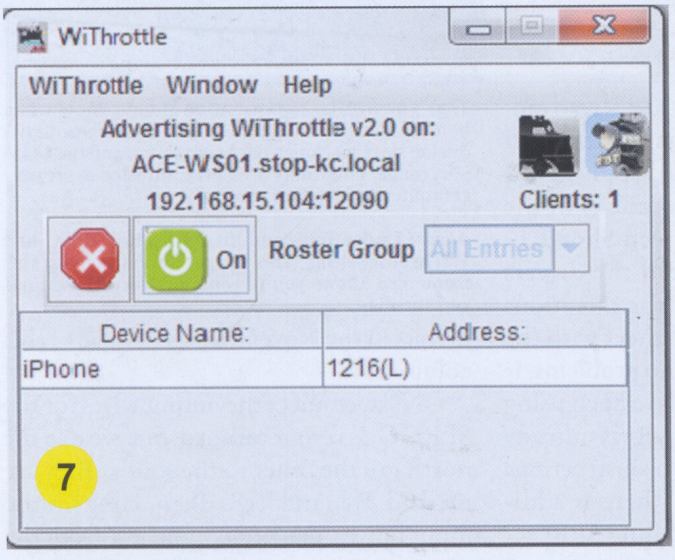


Above: **There is a window for fine-tuning the throttle responses, CVs, and types of service in which the throttle will be used. You can choose from road or yard throttles each with its unique characteristics for controlling trains.**

black and red wires, respectively from the SPROG power supply provided. Lastly, connect the USB cable from the SPROG to a USB port in your computer and plug in the SPROG power supply.

We are now ready to launch JMRI. Click on the PanelPro icon on your desktop (**Screen Shot 2**) and then click on Tools on the top of the screen. There will be a drop-down box. Click on Throttles and then click Start WiThrottle (**Screen Shot 3**). It is now launched and ready. You can also reach this from DecoderPro by clicking on Actions then Start WiThrottle Server.

Next, pick up your iPhone and tap WiThrottle. You have three main screens that you will use: Throttle, Address, and Settings. Move from one to the others by tapping the icons at the bottom. In the middle is the roster of locomotives (**Screen Shot 4**). They will be there for you without any data entry into your phone. They are pulled in from the DecoderPro database and populate the data fields on your phone. To select the locomotive, simply touch the desired unit, then touch the "SET" key, and the throttle loads the information to control that locomotive.



Left: **This window will show you how many WIFI throttles are connected to the system. I only ran one throttle, so I was unable to check the latency of the throttle response with several WIFI throttles attached. WIFI throttles often cause problems at large train shows because they tax the WIFI networks. Care must be taken when setting up WIFI networks so that you do not inadvertently log onto someone else's network.**

On the left is the throttle (**Screen Shot 5**) from which you control the locomotive using a touch screen. The speed control, forwards and backwards, as well as all 28 Function keys are all there. To reach additional function keys, use your finger to slide the keys from side to side. However, the function keys are labeled with the default names. I remap function keys so that the key I use for braking is F6 and quickly available without pressing a shift key and then the function key on smaller throttles like the UT4. Within DecoderPro, you can re-label the throttle function keys, but I have not yet figured out how to get this on my iPhone.

There are several different throttle configurations available to suit your preferences. There is a Road Throttle and a Yard Throttle. The basic difference is that with the Yard Throttle, the center point of the slide switch is stop; whereas, with the Road Throttle, the stop position is at the bottom as shown in Screen Shot 5 above. Both of these are available as left- or right-hand configurations. There is a fifth throttle (dual), which allows you control two locomotives at once.