Mind Workstation Mobile Controller

Introduction

Introducing the Mind Workstation Mobile Controller app for Android and iOS phones and tablets. With this app you can control a Mind Workstation engine in realtime from the touch interface on your mobile device. With session programming and engine actions you can create very powerful controls for one or many session parameters.

The app connects through the audio input to the computer on which you are running Mind Workstation. A signal is sent out the headphone jack of your mobile device. Mind

Mind Workstation Mobile Controller

Workstation tracks this signal and responds in realtime according to the assigned range and actions.

The MWS Mobile Controller runs as a document in a shell application called MobMuPlat, the Mobile Music Platform. The free MobMuPlat app is available for Android and iOS devices. Using this shell application allows us to avoid the long delays of updates and the complexities involved in distributing apps on the app stores. We can get right to the fun parts! Also, exploring new features and interfaces is easy with this system.

This document will describe the installation process and functions of the app. As always, your feedback is most appreciated.

Step 1: Download and Install MobMuPlat

You will first need to install the MobMuPlat app from the Google Play store or from the iTunes App Store.

Use these links:

Google Play Store: https://play.google.com/store/apps/details?id=com.iglesiaintermedia.mobmuplat

iTunes Store: https://itunes.apple.com/WebObjects/MZStore.woa/wa/viewSoftware?id=597679399&mt=8

or capture the following QR Code on your mobile device.

Step 2: Transfer the MWS Mobile Controller to Your Device

The MWS Mobile Controller download consists of 2 zip archives. One archive contains the app files and the other has a session template and this manual. Note that there are different version according to your device and screen size. The options are iPad, Android Tablet, Wide Phone (for early iPhones and small Android phones) and Tall Phones (for iPhone 6 and 6+ and large Android phones).

The session template is a mws session that you need to open in Mind Workstation. It has some preset values to control several types of content tracks. The app files archive contains the MobMuPlat files and resources that need to be transferred to your device.

After installing MobMuPlat, the easiest way to get these files to your device is by emailing the zip archive to yourself. When you retrieve the email on your mobile and open the attachment, MobMuPlat will automatically transfer the files to its documents folder and then launch.
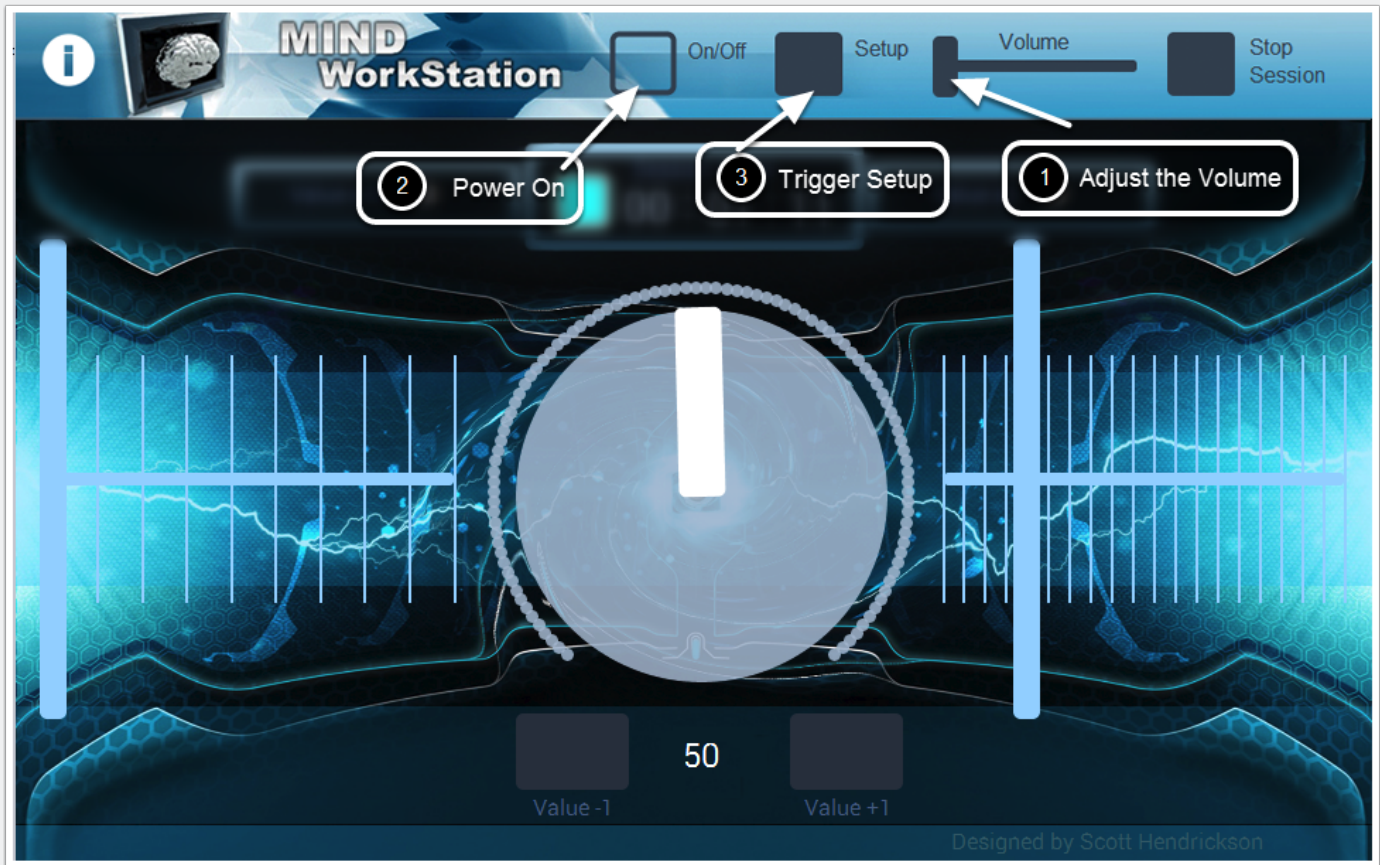
For long term file management it is best that you are aware of how to manually transfer files to your device and place them in the MobMuPlat folder. That way when there are updates you are sure that older version is overwritten.

Locate the MobMuPlat documents folder on your device and copy all files in the included archive there.

Instructions for iPhones and iPads: https://support.apple.com/kb/PH12318?locale=en_US

Instructions for Android: https://support.google.com/nexus/answer/2840804?hl=en

Mind Workstation Mobile Controller

Step 3: Loading the App

If you have opened the app zip file as an email attachment then the MobMuPlat app will automatically transfer the files and lauch.

Otherwise, find and launch the MobMuPlat app and click the **"i"** info button on the top left of the screen. The window will rotate and show a list of files. Select MWS Mobile Controller from the list. The interface will launch and the app is ready to go.

Step 4: Load the Mind Workstation Mobile Template Session

Extract the zip archive containing the template session on the computer you use for Mind Workstation. Open the mws document contained inside in Mind Workstation using File - Open. This session already has the Mobile Engine installed and configured to control the entrainment parameters of the session.

You will need to prepare the app on your device to transmit the signal to control the session. The next step details how to do this.

Step 5: Plug your Device into the Audio Jack on your Computer

Connect the headphone output jack on your mobile device to a line-in or microphone input on your PC. You may need to adjust the sound settings on your PC to configure the input. Mind Workstation also needs to be configured to receive sound from the input. When you first play the session, MWS will offer options to configure the sound or you can adjust it in the Settings menu, Audio/Recording Devices.

Step 6: Set the Volume on the App and your Device

Most mobile devices limit the output level of audio from the audio jack. You will likely have to increase the volume to the maximum level using the volume buttons on your device. Within the MWS Mobile Controller app, you also need to set the volume. At first

try it at the maximum setting as well. Use the slider at the top right to set the volume level.

Step 7: Press the On/Off Button on the App and Trigger the Setup Tone

Press the On/Off button in the MWS Mobile Controller app to start transmitting sound. The On/Off button will fill with blue when the tone is being transmitted.

Next press the Setup button to set the pitch of the tone to the start level for Mind Workstation to recognize. Notice that this level is 100 on the Master Value knob.

Step 8: Start the Mobile Template Session in Mind Workstation

Once the tone is being transmitted and everything is set up, press the Play button in Mind Workstation to start the session. An Engine set up window will appear which shows the status of the tone recognition. When you pressed the Setup button in the MWS Mobile Controller app you set the ptich to the proper value that MWS needs. The status window should quickly recognize the tone status as 'Good' and the pitch as 3000.

You want to find the best level where the signal is shown as 'Good' in MWS. Find the lowest point where the recognition is consistent. This will set the ideal balance between a good strong signal and a quiet signal.

The session will begin to play with the preconfigured values.

Step 9: Adjust the Knob and Sliders to Change the Values

Adjust the large Master Value knob in the MWS Mobile Controller interface to move the values up or down by increments of 1. The Mind Workstation session should follow along. You can hear (or see if using light glasses) the changes as you move the knob. The Status Window in Mind Workstation should also be open and you can view the pitch and realtime output from the Engine.

There are other controls in the app. There is a slider for making changes in increments of 10 and one for changes in increments of 5. Notice that the numbers on the display update and the Master Value knob tracks along with the changes. Below the Master Value knob are buttons to increment or decrement the value by 1. You can use this for more precise entry.

A Session Timer is included if you choose to use it. Note that it will not sync exactly with the Mind Workstation session. It can be handy as a estimate of the elapsed time if the computer is some distance away.

Mind Workstation Mobile Controller

Step 10: Have Fun!

You can assign various parameters in the session to react to the app. In fact, the possibilities are huge. Remember that the app controls a total range of values from 0 - 100. It is most easy to know what the effect will be if the range of values easily divides into this, in a way that you can visualize. Otherwise, happy accidents are a good thing too!

Please share your comments and ideas with us on the Transparent forum. As always, enjoy!