

Required Equipment

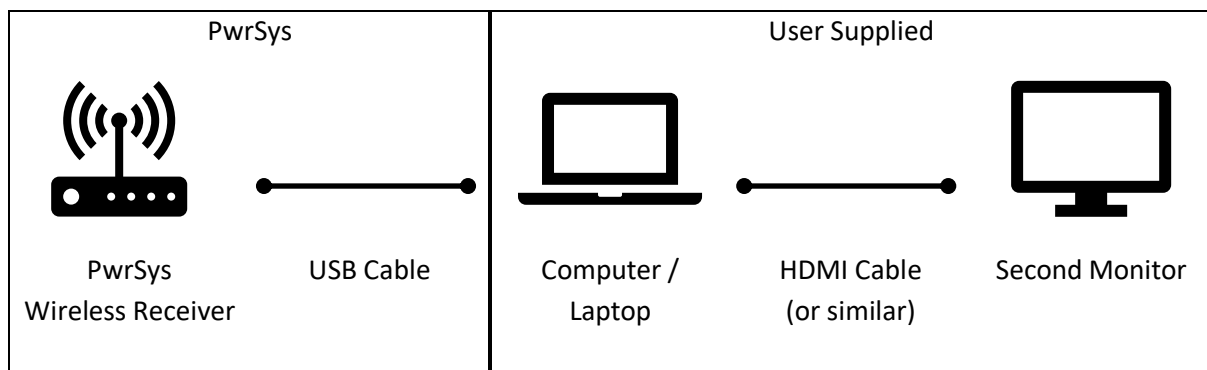
- PwrSys – Your Complete Powerlifting Referee System
- Computer/laptop running Microsoft Windows 10 operating system (NOT INCLUDED)
 - Minimum computer/laptop requirements:

Processor:	1 GHz, 32 or 64 bit* *PwrSys is a 32 bit application
RAM:	2 GB
Hard Disk Space:	20 MB
Operating System:	Windows 10
.NET Framework:	4.5.2
Graphics Card:	Meets Windows 10 minimum requirements for driving two independent displays.

- Secondary computer monitor (NOT INCLUDED) for displaying referee decisions.
- Cable suitable for connecting the second monitor to the computer/laptop (NOT INCLUDED). This is graphics card dependant; however most modern laptops supply a HDMI port for connection of a second monitor.

Hardware Setup

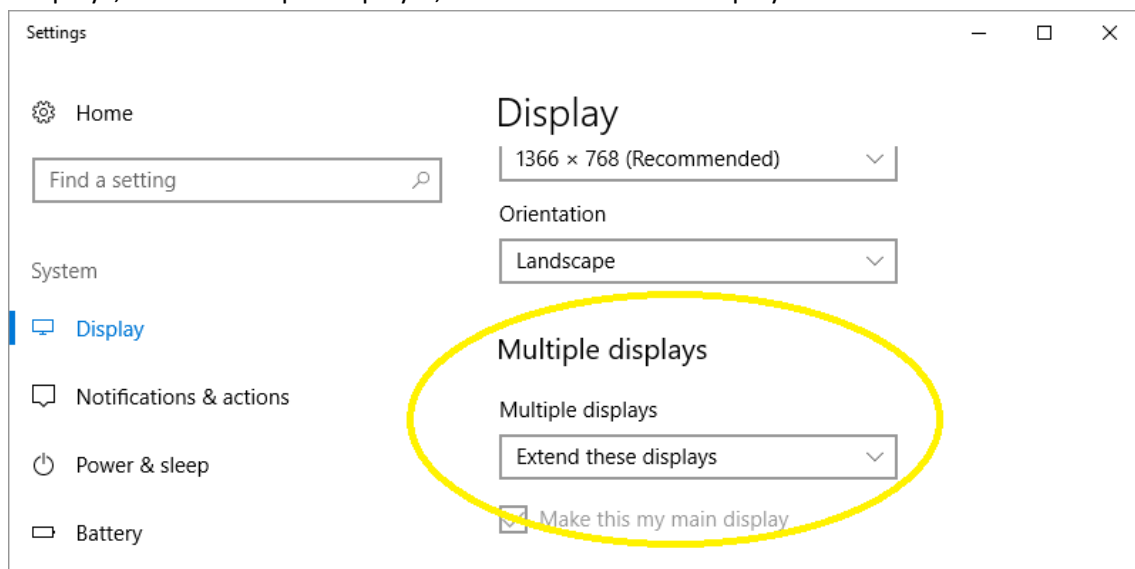
1. Connect the computer to the second monitor. If using a laptop, this will generally be via a HDMI cable.
2. Connect the Wireless Receiver to the computer via the supplied USB cable.



Windows 10 Setup

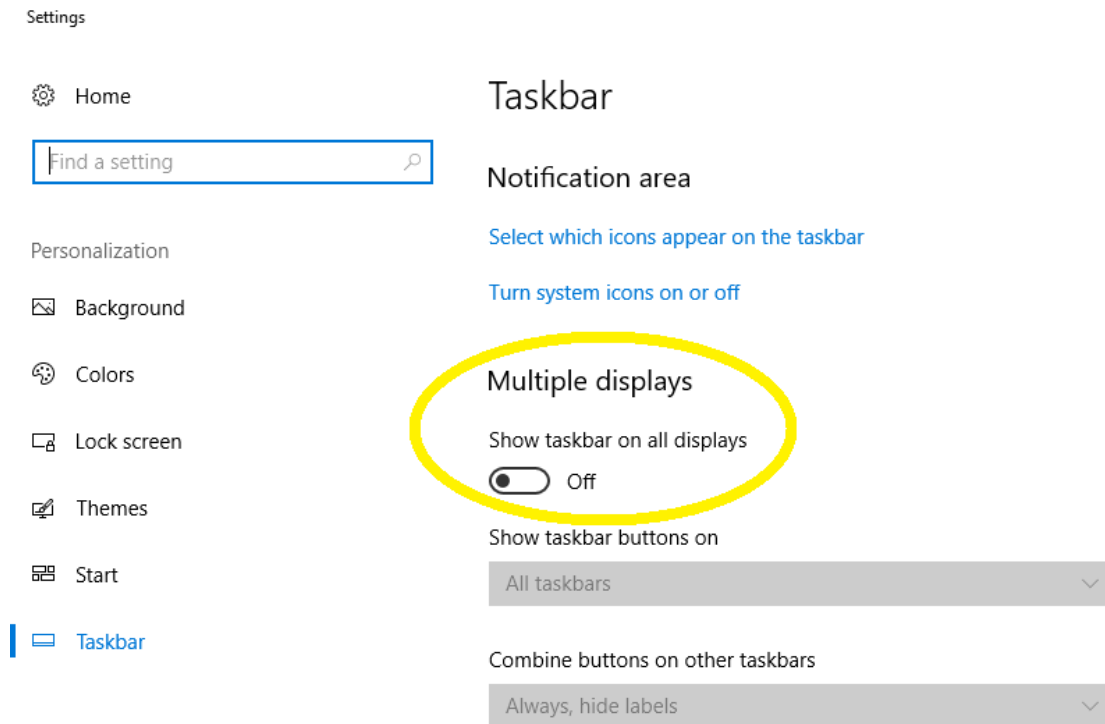
To display the decisions on the second monitor, the computer/laptop needs to be setup to extend displays.

1. Right click on the desktop and select "Display settings".
2. In "Display", under "Multiple Displays", select "Extend these displays".




Remove the Windows Taskbar from the second monitor.

1. Right click on the taskbar and select "Taskbar settings".
2. In "Taskbar", under "Multiple Displays", turn off "Show taskbar on all displays".

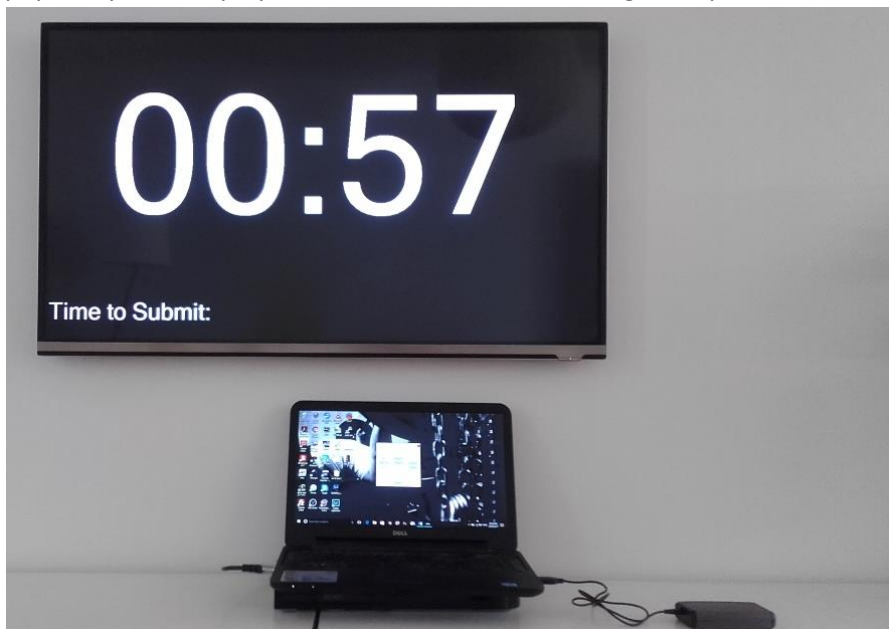


Software Setup

Once the hardware is installed and Windows 10 has the correct settings, the PwrSys software can be configured.

1. Install the software, following the prompts of the installer. We recommend using the default install settings.
2. Run the software by double clicking on the  desktop icon.
3. The Display window will automatically be maximised on the second monitor. However, if you get an error;
 - a. Make sure you have followed **ALL** the steps in the Windows 10 Setup section above.
 - b. Ensure the Timekeeper window is on the computer/laptop monitor.
 - c. Drag the Display window to the second monitor via the title bar.
 - d. Double click on the title bar of the Display window to maximise the window.
4. Ensure the text at the bottom of the Display window is shown correctly. If the text is cut off, please refer to the Troubleshooting Guide section.

Upon successful setup, your system displays should look like the following example.



Troubleshooting Guide

The second monitor is cutting off part of the text on the Display window.

If you are using a TV as a second monitor, make sure overscan is disabled.

1. Look for a setting like “Aspect”, “Aspect Ratio”, “Size”, “Wide”, “Screen Fill”, “Screen Fit”, or “Format”.
2. Once you find the correct control, set the pixel mapping to 1:1. This may be labelled as “Dot by Dot”, “Scan Rate”, “Full” or “Fit”.
3. See the TV user manual for detailed instructions.

The Display window is on the laptop monitor and the Timekeeper window is on the second monitor.

1. Ensure the computer/laptop screen is the main display.
 - a. Right click on the desktop and select “Display settings”.
 - b. Click “Identify” under “Select and rearrange displays” to identify the computer/laptop monitor.
 - c. Select the computer/laptop screen under “Select and rearrange displays”.
 - d. Scroll down to “Multiple Displays”.
 - e. Check “Make this my main display” if enabled and unchecked.
 - f. Restart the PwrSys software.

The Windows 10 taskbar is visible on the second monitor showing the Display window.

1. Follow the Windows 10 Setup section above.
2. Ensure the Display window of the PwrSys software is maximised. To maximise the Display window, double click on the Display window title bar.

When the software starts, I get a wireless receiver not connected error.

1. Connect the Wireless Receiver to the USB port of the computer/laptop before starting the software.
2. Check if the drivers for the Wireless Receiver have been installed automatically by Windows 10.
 - a. Right click on the Windows 10 “Start” button.
 - b. Click on “Device Manager”
 - c. If there is “USB Serial Port” with an exclamation mark under “Other devices”, then the driver for the Wireless Receiver was not installed correctly.
 - i. Right click on “USB Serial Port”
 - ii. Select “Update driver”
 - iii. Choose “Search automatically for updated driver software”
 - iv. If you have an internet connection, the driver will update automatically.

