

One Click Technologies Limited
Customisation Cable & Software Manual
Part Number AVCP01

Installation

One Click Customisation Cable & Software Manual

IMPORTANT

Use the AVCP01 customisation cable only with any computer running Windows XP, Vista, Windows 7, 8, 8.1, 10, 10.1 or above.

Do not use any other cable to connect the AVC014 IntelliPlug to your computer. **Do not use the AVCP01 cable with any other item.**

Once the software has installed on a Windows computer and connected to the AVC014 IntelliPlug via the AVCP01 cable, the following options will be active:

- **Collectively monitor power usage from the Master Socket.**
- **Monitor total power usage of items connected to the AVC014 IntelliPlug.**
- **Easily pair 2 remote controls to the remote sensor.**
- **Set the Turn Off Timer After No Remote Activity for up to 4 hours.**
- **Alter Delay Time for On/Off modes from 0.5 to 120 seconds**
- **Set a fixed threshold between 2 Watts and above.**
- **Apply a buffer between 5.0 to -5.0 Watts to a fixed threshold.**

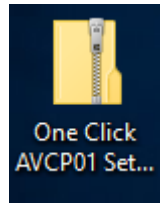
All of these features involve a signal being sent to the AVC014 IntelliPlug and then returned to the computer as a verification. Please note that upon opening the Configure page, allow a minimum of 30 seconds for the software to load, populate and verify current settings. Alterations may take approximately 30 seconds to update the display. **Each time a new parameter is set you must power cycle (power off and on) the IntelliPlug before attempting to set a new parameter.**

Please use these instructions in conjunction with the AVC014 manual. If you have lost or misplaced your manual, please visit our website where you will be able to download a copy.

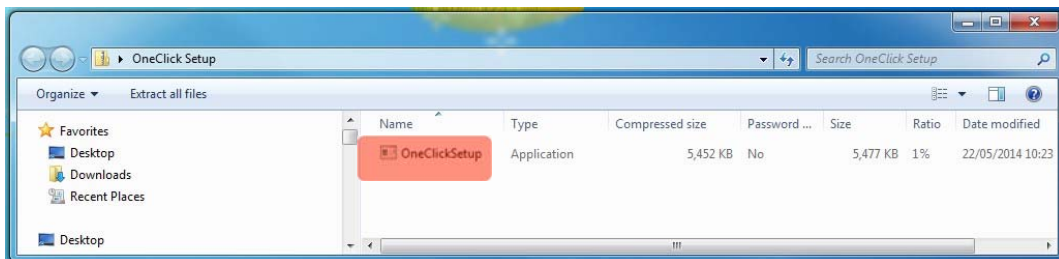
If you have any questions or suggestions, please contact us via the support page on our website www.oneclickpower.com

Installation

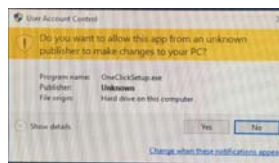
- 1) Copy and paste the software to your desktop. Extract software from the zip file by placing your cursor on the One Click folder and right click the mouse to reveal the menu box. Select **Extract All**. This will open a new window with the option to extract the file. Click on the Extract icon.



- 2) A new window should open to show the software **One Click Setup (Version) 2.3.0.0** Double click to open the software.



- 3) When invited to proceed with the installation, click Yes.



- 4) The following should appear: Welcome to the **OneClickPower Setup Wizard**. Click Next.

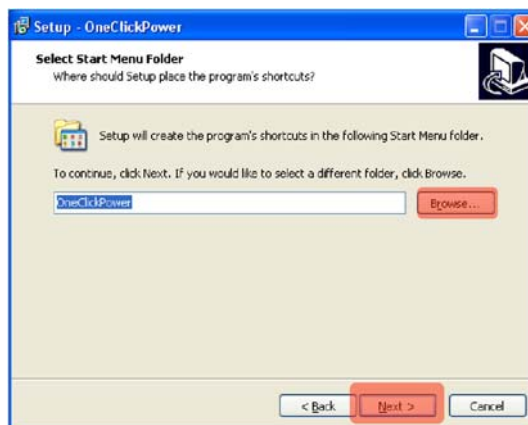


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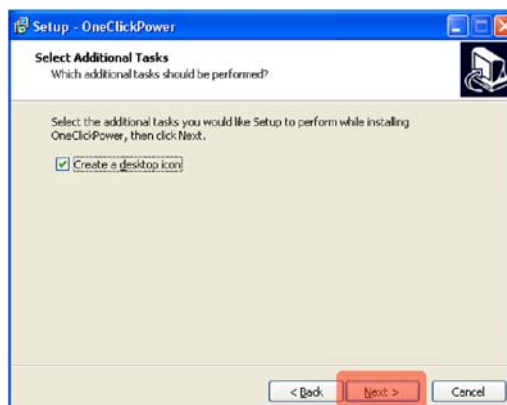
- 5) **Select Destination Location.** If you would like to select a different folder click **browse**. Click Next.



- 6) **Select Start Menu Folder.** If you would like to select a different folder click **browse**. Click Next.

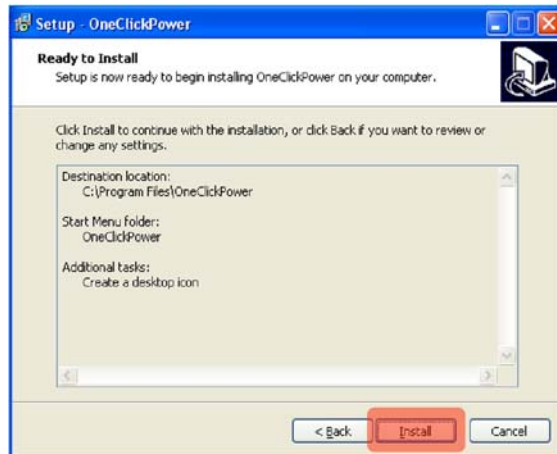


- 7) **Select Additional Tasks.** Click Next.

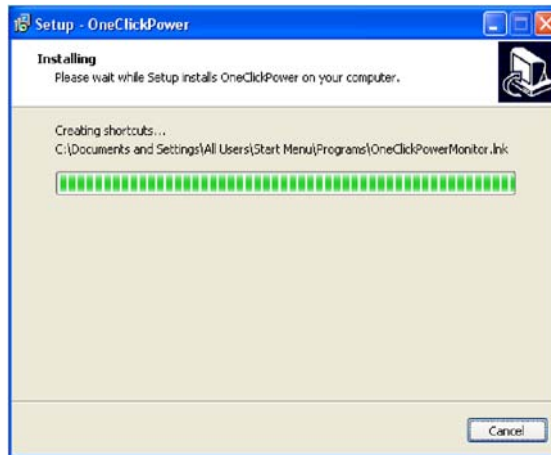


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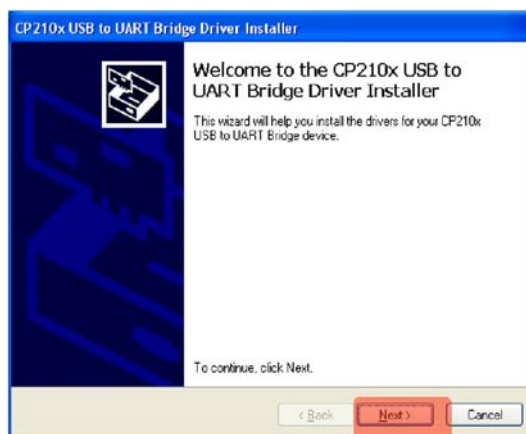
8) **Ready to Install.** Click Install.



9) **Setup – OneClickPower – Installing.**

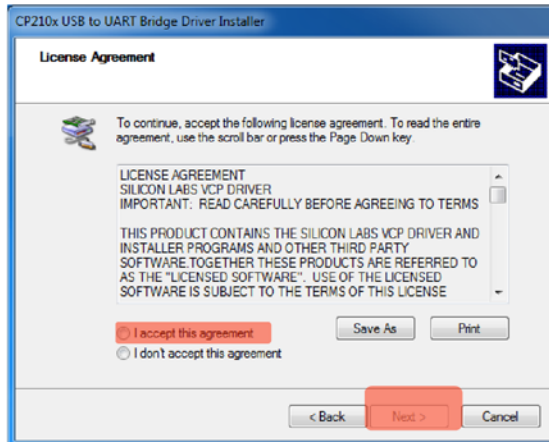


10) **Welcome to the CP210x USB to UART Bridge Driver Installer.** Click Next.

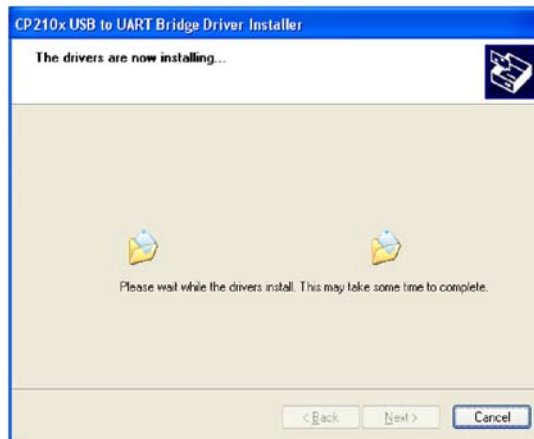


Installation

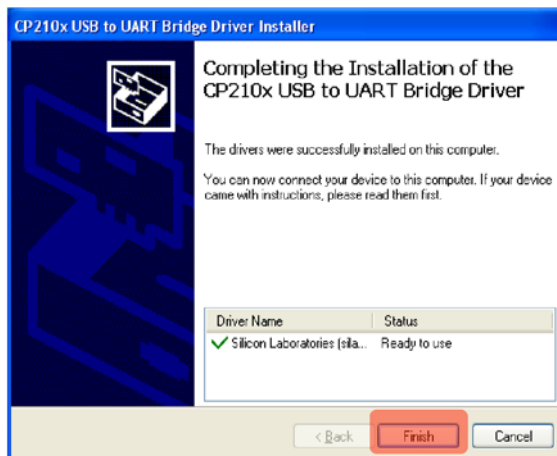
11) **Licence Agreement.** Accept the agreement then click Next.



12) The drivers are now installing...

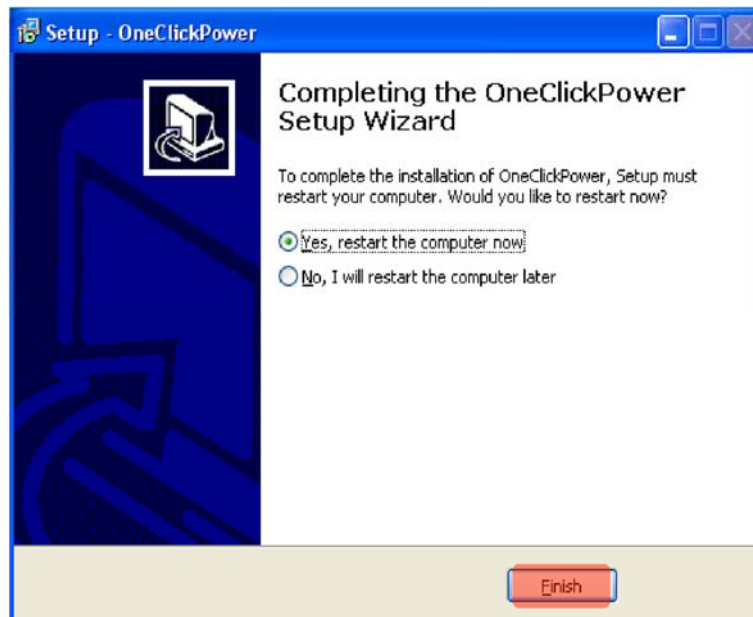


13) **Completing the Installation of the CP210X USB to UART Bridge Driver,** Click Finish.



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- 14) **Completing the OneClickPower Setup Wizard.** Click Finish. This will restart your computer and make the software ready for use.



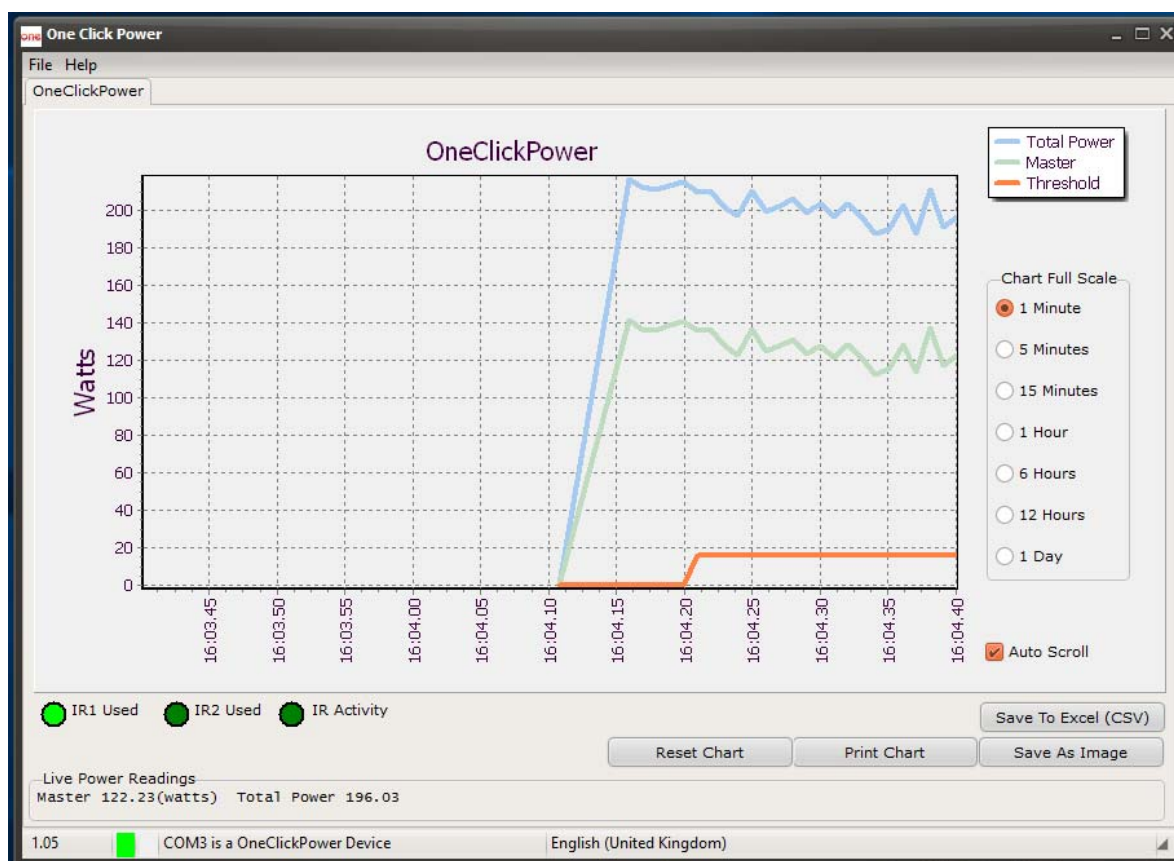
- 15) When the computer has restarted connect the RJ12 side of the customisation cable to the AVC014 IntelliPlug. If you are using it in A/V configuration attach the supplied double adapter to the RJ12 port on the IntelliPlug, insert the customisation cable and remote sensor cable into the double adapter. Insert the USB end of the cable to a Windows computer. Allow the computer to identify and load the appropriate software for the new USB connection.

- 16) Double click the ONE CLICK ICON to launch the programme and the main display with power reading graph.



Power Reading

The graph shows Total Power in Blue, Master Power in Green and Threshold in Orange. The **Chart Scale** can be altered from **1 Minute** to **1 Day** by clicking on the appropriate button. The file can be **Printed as a Chart**, **Saved as an Image** or **Saved to an Excel (CSV) file** by clicking on the appropriate icon. **Live Power Readings** are presented numerically at the bottom left hand side of the screen. The chart can be reset by clicking on the **Reset Chart** button.

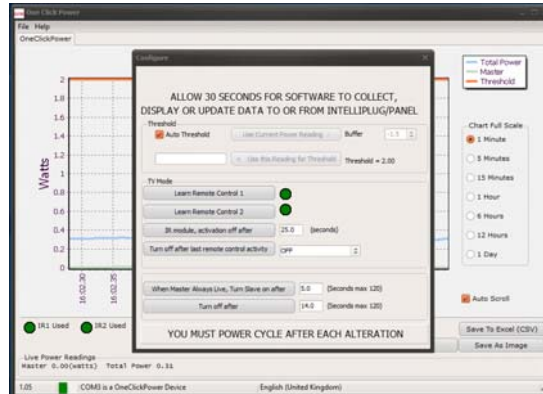


When illuminated the **IR1 and IR2 Used** buttons indicate that a remote control has been programmed into the IR sensor. When illuminated, the **IR Activity** button indicates that the remote sensor is receiving an IR signal.

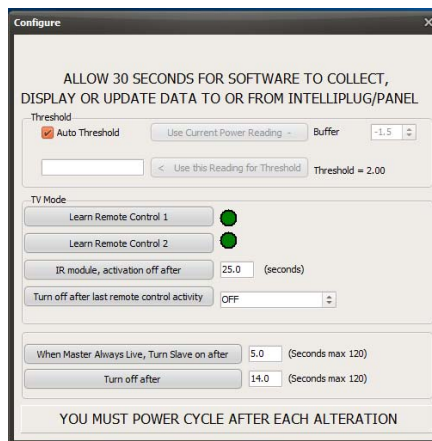
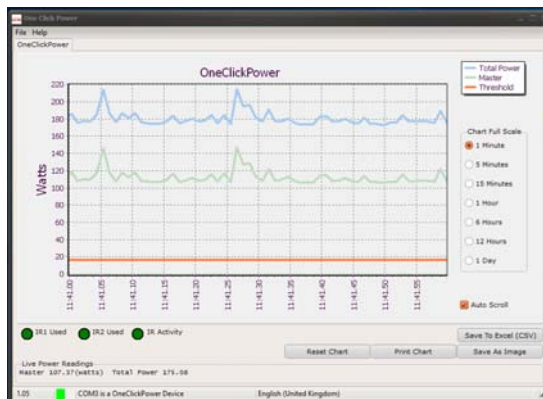
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Configuration Screen

In the top left hand corner of the current screen showing the power graph, click on **File**. In the drop down window click **Configure** to reveal the configuration screen which will launch as illustrated.



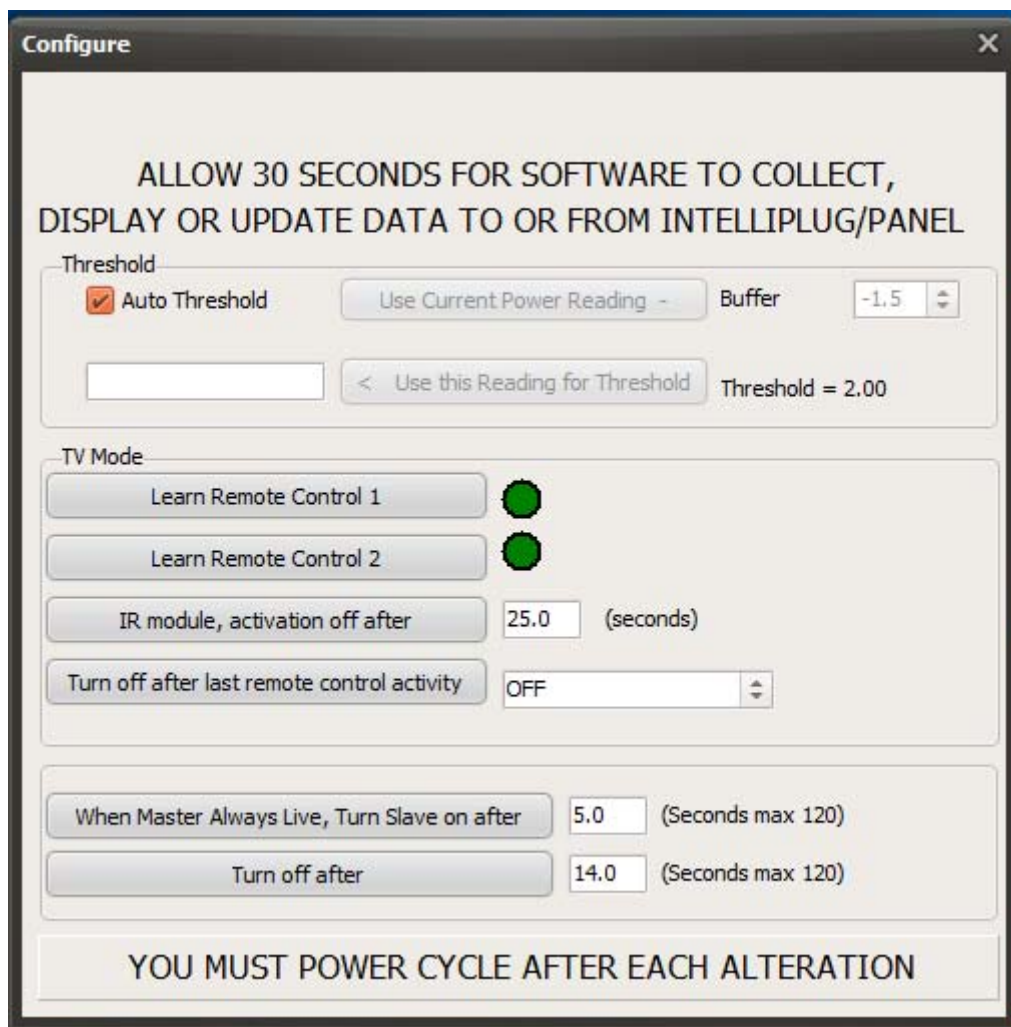
Hover the mouse icon over the **Configure** title or anywhere along the top of the black boarder, then click and hold to drag this window away from the graph so separating the displays.



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Threshold Function

The Threshold function enables the user to apply a fixed threshold, this can be useful when the differential between on and off power is extremely low. A good example would be a clock/internet radio triggering an amplifier upon activation of the alarm.

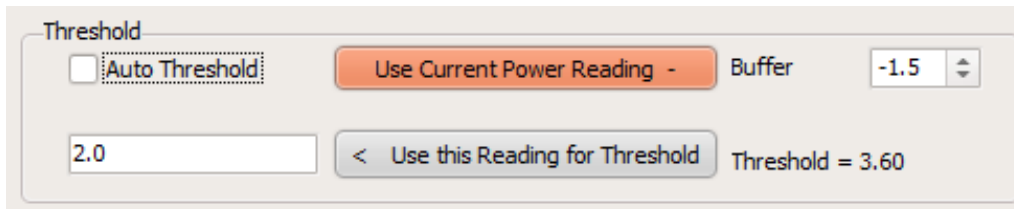


Caution: To make changes to the threshold on the same computer that you have installed the IntelliPlug and customisation software, please ensure that you have connected the computer and peripherals to a separate power source. If you fail to take this advice you risk shutting down the peripherals and Master Device whilst manually setting a threshold.

You should never need to adjust the threshold for your computer or Audio Visual system so the Auto Threshold box should always remain ticked.

Use Current Power Reading

Clear the **Auto Threshold** box by clicking on the ticked box, after a few seconds the tick will disappear:



Activate the items connected to the Master Socket so they are not in standby. Wait until the power drawn by the Master Socket is stable and at the lowest point illustrated by the green line of the graph (see page 12). Once the lowest reading is achieved and maintained, click the **Use Current Power Reading -**. The software will take the last 14 seconds of power readings (pulses) used by the Master Socket to generate an average threshold less a Buffer of -1.5 Watts. The last 14 seconds can be extended or reduced, see Turn Off After feature on page 15.

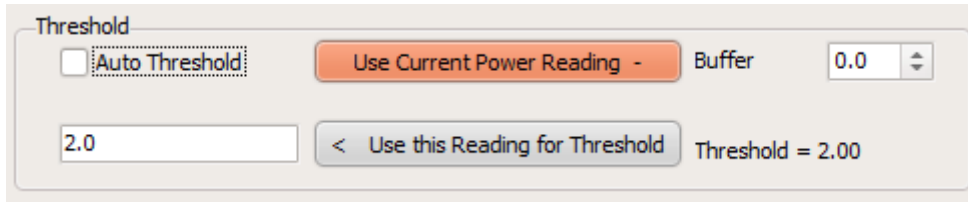
Alternatively, to use the standby power reading as the baseline, change the Buffer from a minus to a positive value by using the drop down arrows and scroll to the appropriate number, for example, 1.5 Watts and click the **Use Current Power Reading -** button. This will park the threshold above standby. Please note, this will cause the IntelliPlug to shutdown promptly unless the Master Device is activated and the power used in the Master Device(s) rises above the threshold.

Buffer Function

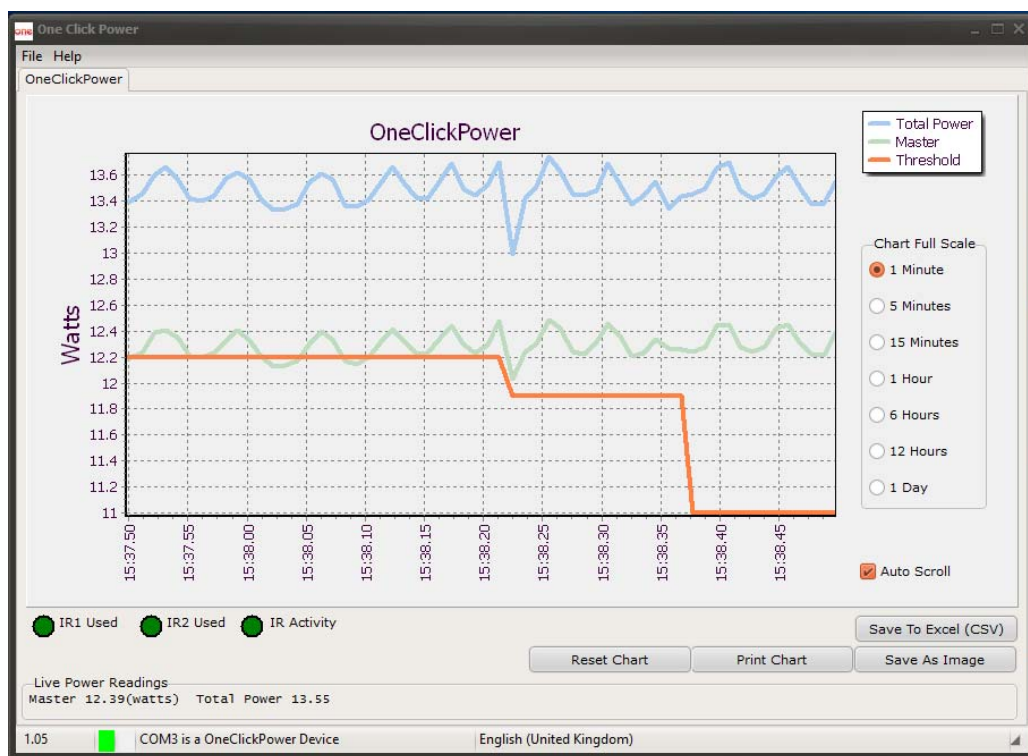
The Buffer acts as a flexible margin to mitigate against power fluctuations that could create power being switched off and on prematurely. The Buffer is a useful tool when extremely low power devices are used where the difference between standby and active power is small. For example, an amplifier which has a standby of 10.0 Watts and active at 11.0 Watts may operate successfully with a zero Buffer, but it is prudent to apply the largest Buffer possible because this will help dampen any on/off reaction to spurious power fluctuations.

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For extremely tight on and off states, such as 3.0 Watts off and 3.5 Watts active, switch the Buffer to 0.0 Watts.



In the next snapshot, the power from the Master Device is between about 12.1 and 12.5 Watts. If the Buffer is applied with a value of zero, the fluctuations in power (in green) are exceptionally close to the threshold (in orange). If the power drawn by the Master became more erratic and dips below the threshold for more than 14 seconds, the IntelliPlug could interpret this as a shutdown. The illustration shows how the gap can be increased by applying a -0.5 Watt and then a -1.5 Watt Buffer giving ample relative space between low on and off states.

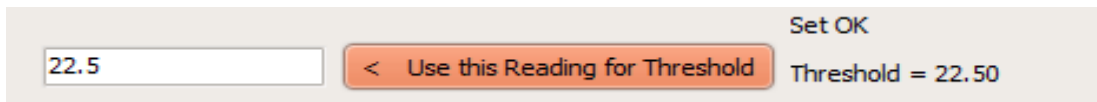


Each time the Buffer setting is altered, click on the **Use Current Power Reading -** button. When the appropriate level is achieved, power cycle the IntelliPlug so that the IntelliPlug updates internal software.

Use This Reading for Threshold

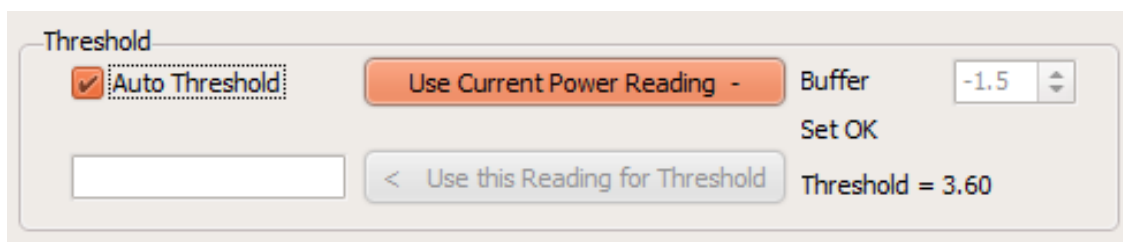
View the display graph and determine a specific value based upon your own judgement. Clear the Auto Threshold box by clicking on the ticked box, after a few seconds the tick will disappear and the following box will become clear to show a threshold of 2.0 Watts.

To enter a new value in the white box, right click on the number displayed in the box and then clear the existing value, then enter a new value in Watts and half Watt segments. For example, 22.0 or 22.5 but never fractions of a Watt such as 22.2 or 37.6 Click onto the **Use this Reading for Threshold** box to apply the new value:



The new threshold will appear on the graph and a **Set OK** will confirm the new parameter has been accepted and engaged. Remember to power cycle the IntelliPlug to enable it to update internal software to the new setting.

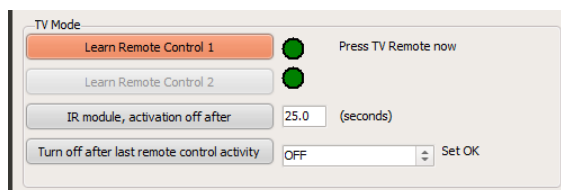
To re-activate Auto Threshold tick the box and wait a few seconds for the tick to appear as illustrated below:



Remember to power cycle the IntelliPlug to enable it to update internal software to the new setting.

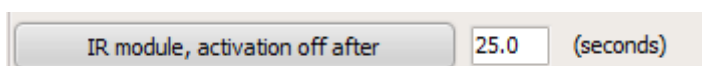
Pairing of Remote Controls to the Remote Sensor

When the AVC014 IntelliPlug is connected for Audio Visual use in accordance with the manual, click on **Learn Remote Control 1** and a waiting message will appear to the right of the corresponding green button. Point your television remote control at the sensor and press the power button, watch and follow further instructions to the right hand side of the green button to complete the process.



A second remote control such as the A/V amplifier can be programmed by clicking on the **Learn Remote Control 2** window and repeating the instructions as above.

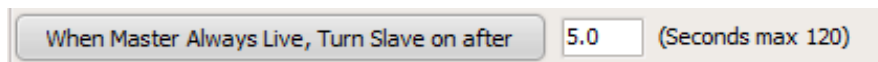
IR module, activation off after. When activating the IntelliPlug via a remote control or by pressing the button on the top of the remote sensor, the IntelliPlug will become energised for 25 seconds. This allows time for remote or manual activation of the device(s) connected to the Master Socket to rise above the threshold and maintain power output from the IntelliPlug. If this state is not achieved within 25 seconds, the IntelliPlug will shut down to the standby state. Alter the default of 25 seconds by clearing the current value and inserting a new value of up to a maximum of 120 seconds.



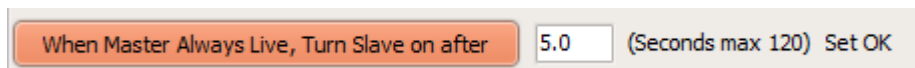
The **Turn off after last remote control activity** is a timer facility that will switch power off after a pre-determined period after no remote signal is received by the Remote Sensor. The default is **OFF** but can be switched on for an optional period of between **1 to 4 hours**. See IntelliPlug manual for further details.

Master Always Live, Turn Slave on after

When the IntelliPlug is used without the Remote Sensor and switched to **Always Live**, it enables your Master Device(s) to permanently receive power from the Master Socket. When the Master Socket receives a demand for power which exceeds the set threshold, the IntelliPlug activates the slave socket after a 5 second delay. In some applications it may be desirable to have no or a greater delay before activation of slaves.



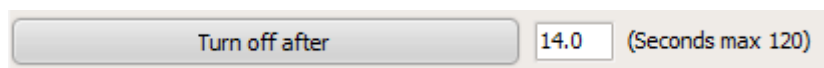
Adjust the time by clearing the current value and inserting a new figure in place of the existing figure, and then click onto the **When Master Always Live, Turn Slave on after** button which will turn orange and a Set OK will appear to the right of the (Seconds max) box.



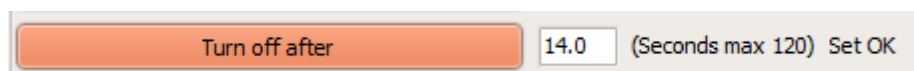
The figure can be either whole seconds or 0.5 of a second without consequence. For example, 9.0 or 9.5 but not 9.3 or 9.8 and remember to power cycle after each alteration.

Turn Off After

The **Turn off after** parameter shuts down the AVC014 IntelliPlug partially in Computer Mode (Master permanently on; slaves off), and totally in Infra-Red mode. Increasing the time means that your Master Device will have longer to settle into standby mode and can help eliminate premature shut down. Extending the time can help devices connected to the Master Socket settle, especially when connecting devices where the difference between low and active power is extremely low.



Adjust the time by clearing the current value and inserting a new figure in place of the existing and then click on the **Turn off after** button which will turn orange and a **Set OK** will appear to the right of the (Seconds max) box.



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Remember to power cycle after each alteration. This adjustment is useful where a delay time is not appropriate or necessary, when an instant off is desirable. However, the delay allows some peripheral equipment to deactivate and return to standby mode before power is disconnected.

The AVC014 can also be used for a computer in **Infra-Red** mode. Configure as A/V configuration without pairing of a remote control. Activation of the IntelliPlug is achieved by depressing the button on the top of the Remote Sensor. The TV Mode setting will apply. Place the remote sensor on a desk or where convenient.

Practice & Play.

The best way to learn how to obtain the best from your IntelliPlug is to use the software to become fully conversant with all the features and benefits.

If you have any suggestions or require further advice, please visit our website and send an email.