UPB Hidden Wall Dimmer Switch
250Watt and Dual 500Watt versions

Wiring Instructions

**RETROFIT Installation:**

MOST Australian homes do not have a Neutral at wall switch, if it DOES NOT you will need to change the SWITCHED wire that used to be wired to the light in the roof to a Constant Neutral.

1: Wire the Red wire to Constant Active
2: Wire the Black wire to Constant Neutral
3: Wire the White Load wire to light Active switched. Max 250W

**NOTE:**

2 x wires will be at switch – **RED** and **WHITE** (switch wire)
Take the **WHITE** wire and fit a “BLACK” sleeve, over the white (switch wire)
At the opposite end of white wire, probably in roof, also place a “BLACK” sleeve over the wire
You now have ACTIVE and NEUTRAL at the UPB switch plate

If you place a UPB In-Line Dimmer Module at the beginning of the lighting run, you can now “LINK” the new Wall mount UPB switch (2 x wires Active and Neutral, you just installed) to the In-Line module, to operate the lights.

**Terms Used:**

Snap On or OFF means instant switch ON 100% or OFF 0%
Dimming to a set (and stored) light level between 1 and 100%
Fade Up is to slowly (soft start) dim between 0 and 100%
Fade Down is to slowly dim down between 100% and OFF.
Dimmer, refers to UPB electronic device that controls the light load.

**PLLC default settings:**

*Once unit wired and powered up you can do an MANUAL STAND ALONE UNIT TEST.*

Press button when off = Dim Up to ON, in 1.6 seconds (**selected**)
Press button when on = Fade Down to OFF in 1.6 seconds
Press button twice when off (quickly) = Snap ON 100%
Press button twice when on (quickly) = Snap OFF
Hold button down when OFF = Dim Up slowly at a 1.6 second rate to desired dimmed level
Hold button down when ON = Dim Down slowly at a 1.6 second rate to desired dimmed level

**Note:** Unit may be programmed with different switch functions, but you should be able to switch light on and off manually with switch buttons or Up and Down buttons.
**Manual LINK Mode** (programming which switch button will operate this Wall Dimmer Switch) Manual linking mode will only work if dimmer has been pre programmed with unique ID and links.

1: Make sure Wall dimmer light is ON and wall Dimmer Switch is in SET UP MODE. Press wall dimmer button or UP button 5 times (quickly within 2 seconds) the connected lights will flash and GREEN STATUS LED will flash.
2: Press WALL SWITCH button you want to **LINK** to Wall Dimmer 5 times (quickly within 2 seconds) to enter SWITCH SETUP MODE, button will flash.
3: If **LINK** is established then Wall Dimmer will flash light connected to it to acknowledge connection. Note: Only 1 switch can be linked to a wall dimmer switch.
4: Double press the WALL SWITCH button (exit setup). Button will now switch light ON and OFF

Note: Wall switch will not have full features when manually linked, the DIM level memory function will not work until wall dimmer link set to Last Level by Upstart software. Same procedure with 10 presses of wall switch will erase the link.

**Settings as seen by UPB Upstart computer program after ERASED.**
Wall Dimmer configuration setup for Normal function. (must have these setting)!!

*Rocker Switch* window, tick *Report light level after switch is pressed.*

*Options* window Status LED Option Color *Red when load is on; Blue when load is off.*

To remove back light program *Red when the load is on: off when load is off*

**DO NOT** program in Receive Components > Level *(Last Level)* as ICON will not be synced.

*Recommended Upstart computer program settings for FULL function on 1 UPB button.*
Function 1: Single switch press when OFF = Fade Up ON in 0.8 seconds to previous light level

Function 2: Single switch press when ON = Fade Down OFF in 0.8 seconds to previous light level

Function 3: Hold down when OFF = Dim Up slowly at a 0.8 second rate to desired dimmed level and memorise level for next switch ON.
Note NO memory feature *if manually linked!*. 
Function 4: Hold down when ON = Dim Down slowly at a 0.8 second rate to desired dimmed level and memorise level for next switch ON. Note NO memory feature if manually linked.

Function 5: Double switch press when OFF = Snap ON

Function 6: Double switch press when ON = Snap OFF

Function 7: When switched ON by any method, a programmable timer from 1 to 240min (4 hours) will count down and switch OFF light (optional upstart programmable feature)

Upstart menu setting for FULL function recommended settings for wall Dimmer.

Note: If home owner is using HCA computer control software then do no use Timer Auto-Shut-Off timer in upstart. If using this feature in upstart you can select the wall light switch ON indicator to switch off with light.
Setting Wall Dimmer to FACTORY DEFAULT NETWORK 1 and automatically programming factory LINK’s 1 to 8

Go to SETUP MODE first. Press Wall dimmer UP button 5 times (quickly within 2 seconds) the connected lights(Load) will flash and GREEN STATUS LED will flash.

Then press UP dimmer button on 10 times (quickly within 5 seconds)
If successful the Light connected to dimmer will flash and RED LED with flash around dimmer button.
Exit Factory Default Press any DOWN 2 times (quickly within 1 second)

NOTE: ONLY FACTORY DEFAULT ANY UPB DEVICE AS A LAST RESORT IF IT DOES NOT RESPOND. AFTER UNIT HAS BEEN FACTORY DEFAULTED YOU HAVE TO ADD IT AGAIN TO UPSTART AND ERASE OR MODIFY ALL CONFIGURATION AND LINKS. IF UPB SWITCH FACTORY DEFAULTED IT WILL CONTROL ANY FACTORY DEFAULTED WALL DIMMER.

Tip: Right click on ICON and select ON or OFF to re-sync ICON status, may get out of sync if TEST MODE window is used and dimmer manually switched ON/OFF with Up/Down Buttons.

If you have a UPB master switch linked to a wall dimmer you must add link name and Indicators On for Top and Indicators Off for Bottom, this will synchronize
Compatible Dimmable light types, up to rated wattage:

Compatible NON Dimmable but can switch ON / OFF light types, up to rated wattage:

**ON / OFF switchable NON Dimmable 240VAC light types**

Note: FANS should NOT be wired to wall dimmers as they will be noisy when dimmed, use a inline relay UPB switch module to supply 240VAC at 10amps or UPB FAN CONTROLLER.