

1g Master Dimmer	9501###	1g Slave Dimmer	9511###
2g Master Dimmer	9502###	2g Slave Dimmer	9512###
3g Master Dimmer	9503###	2g Master / Slave Dimmer	9515###
4g Master Dimmer	9504###		

°Features

- Deta Connect Master Dimmers can dim dimmable LED lamps.
- For two way dimming, Slave Dimmers can be hard wired to Master Dimmers. Alternatively, Master Dimmers can be paired with Wireless Dimmers or a Scene Setter.
- Master Dimmers can be controlled by the Connect App by pairing it with the Connect Link hub.

It is important to install this product in accordance with the fitting instructions below. Failure to do so may render your guarantee void.

Set-up / Linking Products

Operating

Press 'on' (top) button once to switch the dimmer on (blue LED indicator will illuminate).



Press and hold the on button to raise the light level.

Press 'off' (bottom) button once to switch the dimmer off (amber LED indicator will illuminate). Press and hold to dim the light level.



Linking the Master Dimmer to Wireless Control

Press and hold both buttons simultaneously, the blue and amber LED's will flash alternately to signify linking mode, and then release them.



Press the button on the device to be "linked" and the Blue LED will flash quickly to signify that the dimmer is now linked.

Unlinking a Wireless Control

1. Press and hold both buttons simultaneously – the blue and amber LED's will flash alternately to signify linking mode, and then release them. That Switch is now in **linking mode**.
2. Press the button on the wireless control that you want to unlink. The amber light on the Switch will flash to confirm that the remote is now unlinked.

Unlinking all Connected Controls

This will remove **all** wirelessly connected controls

1. Press and hold both buttons simultaneously – the blue and amber LED's will flash alternately to signify linking mode, and then release them. That Switch is now in **linking mode**.
2. On the Switch, press and hold down the 'on' button again until the blue and amber LEDs flash simultaneously, then tap (don't hold) the 'on' button a further time; the amber LED will flash quickly to confirm that the memory has been cleared.

Understanding LED Light Sequences



Blue	lamp is on
Amber	lamp is off
Blue / Amber flashing alternately	dimmer in Linking Mode
Blue flashing quickly	dimmer successfully linked
Amber flashing quickly	dimmer unlinked / memory cleared
Amber flashing slowly	dimmer memory full / socket locked
Blue & Flashing Amber	dimmer successfully locked / socket unlocked

Important things to consider

Signal Range

- Reliable range of operation is approximately 15 metres indoors and up to 100m outdoors using the Connect Link/WiFi-Link. This figure may vary depending upon the environment; very thick walls, bodies of water or large metal objects may interfere with radio range.
- If the distance between the transmitter and receiver is too great to achieve reliable operation, the Connect **Signal Booster** may be used in conjunction with this product to increase the range.

Load

ONLY Dimmable lamps can be used even if the Dimmers are used solely to switch between the on and off states without dimming. This is because the technology used in an electronic dimmer is fundamentally different to that of a simple on/off switch and requires compatible lamp technology.

Compatibility

Compatibility between electronic Dimmers and LEDs can be affected if the total circuit loading is very small. Total LED load decreases (relatively) as it is shared between a greater number of connected Dimmers; therefore, as more Slave Dimmers (up to 6) are added to a single circuit, it is possible that LED performance may become less stable.

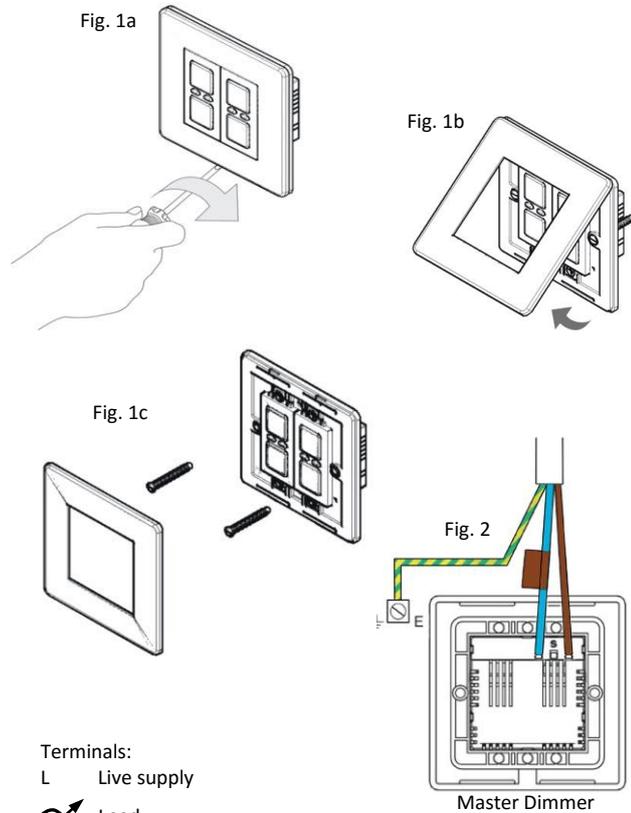
Adjusting the dimming range

The dimming range of the dimmer can be adjusted to increase the dimming range or prevent lamps from flickering. Ensure dimmable lamps are fitted. Adjust the dimming range as follows:

1. Press and hold both buttons simultaneously – the blue and amber LED's will flash alternately to signify linking mode, and then release them. The dimmer switch is now in **linking mode**.
2. Press the (top) 'on' button twice to enter Dimming Range Setup. The blue LED will flash to indicate that the setup menu has been accessed. The dimmer will automatically turn on.
3. Press the 'off' button to gradually reduce the minimum brightness setting. If the lamp flickers, press the 'on' button until the lamp stops flickering.
4. Once the optimum level has been achieved, save the setting and leave setup by holding the 'on' and 'off' buttons until the blue LED flashes quickly.

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Installation

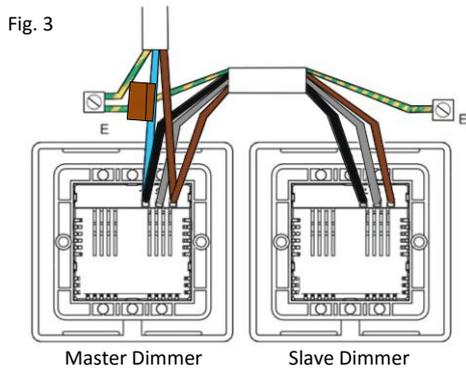


Terminals:

L Live supply

⚡ Load

S Linking to Slave Dimmer for 2-way dimming - this is elv (extra low voltage) only and must not be connected to 230V mains



Safety Instructions

- **IMPORTANT:** Turn off the mains electrical supply.
- This wiring accessory must be installed in accordance with the current edition of the IEE Wiring Regulations BS 7671. If in doubt, contact a qualified electrician.
- Be aware that existing wiring circuits are not always correctly coloured, and that other wired connections may be present in the back box.
- **CIRCUIT TESTING:** This dimmer **must** be disconnected for insulation resistance testing.

Installation

- Ensure that the wall (back) box has a minimum depth of 35mm.
- Remove and disconnect the existing light switch (if applicable). It may be useful at this point to mark out or take a photograph of the connections to the existing switch so that the correct wiring can easily be transferred to the new Dimmer. Some existing wiring configurations can be complex so take care.
- Gently remove Dimmer front plate by inserting a screwdriver into the bottom slot/s and lifting away from the unit as shown. See Fig.1.
- Terminate the dimmer as per the wiring diagram – see Fig.2. Ensure that the terminals are properly tightened and that no bare wire is visible.
- Any earth wires present must be attached either to the earth terminal located in the back box or capped with a strip connector. The Dimmers are double insulated so are not required to be earthed directly.
- Screw the Dimmer Switch to the mounting box and ensure that the screws are sufficiently tight to support the product, but do not over tighten as this may cause the chassis to bend. See Fig. 1c. Ensure that the plastic spacer is correctly aligned and that no wires are trapped between the Dimmer Switch and the back of the back box.
- Replace the front plate – a ‘click’ sound should be heard to signify that the plate has been correctly replaced.

2-way and Intermediate Switching

- Slave Dimmers are used to create 2-way switching and is connected to a Master Dimmer.
- For 2-way and intermediate switching, up to six Slave Dimmers can be connected to Master Dimmer. Each Slave Dimmer can be connected directly to the Master Dimmer, or connected to each other in a ‘daisy-chain’.
- Connections between Master and Slave Dimmers requires 3-core+earth cable. Master and Slave Dimmers are electronic dimmer and they use one of the conductors as a signal cable (‘S’) running between the Dimmers (as shown on the diagram). **This is an elv (extra low voltage) only and must not be connected to 230V mains;** serious damage will occur. See Fig. 3
- The maximum cable length between Master and Slave Dimmers is 100m.
- The Connect Slave Dimmer must not be used in conjunction with a standard light switch. This will cause damage to the Dimmer.
- Do not install and run power to a Slave Dimmer before first installing and connecting to the corresponding Master Connect Dimmer. Damage could be caused to the Master or Slave Dimmer.

Additional Information

Load Compatibility:

- Dimmable LED lamps
- Mains voltage incandescent lamps
- GU10 and equivalent Hi spot mains halogen lamps
- Dimmable electronic low voltage transformers
- Inductive transformers (40-170 VA max.)

Loads that are not Compatible:

- Wire wound transformers
- Electric motors
- Non-dimmable LEDs
- CFLs and CFL tube arrays

Voltage	220 – 240V @ 50Hz	Back Box Depth	35mm
Power Rating / per gang	20 - 250W max. incandescent and LV lighting transformers	Radio Frequency	433.92MHz