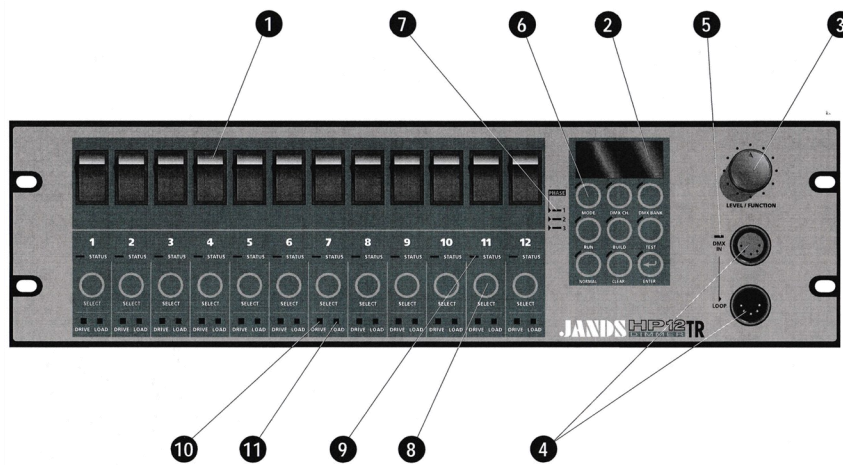




HP12 Dimmer

The JANDS HP12 series dimmers are rugged, high quality, 12 channel, 2.5kVA per channel dimmers specifically designed for demanding touring and theatre applications.

Download manual: <https://www.manualslib.com/products/Jands-Hp12-3799304.html>



1. Channel output circuit breakers: The circuit breakers are rated at 11.5 amps continuous, however Jands recommend the maximum load connected to a channel be limited to 10A. If nuisance tripping occurs, enable the Preheat option (see section 4.1.4.5). See also section 5.6 for a full explanation of nuisance tripping.

2. Display: A red four digit alpha-numeric display is used to show dimmer status and option menus.

3. LEVEL/FUNCTION encoder wheel: This detent action control knob is used to select items from the menus, and to select the channel levels or chase rate (depending on the operating mode).

4. DMX IN/LOOP connectors (Rack-mount only): A standard five pin AXR connector inputs control desk DMX-512 signals and a second "Loop" connector outputs them to other dimmers. See section 8.2 for wiring details.

5. DMX IN LED: A green LED indicates the presence of DMX signals.

6. Keypad: These switches are used to select different options and operating modes. A red LED is associated with each switch to indicate activation of selected function.

7. PHASE LEDs: Three green LEDs (one for each phase) indicate that the three mains supply phases are available.

8. Channel SELECT switch: These select or deselect options for each channel, or switch a channel between "on-line" and "off-line". If a channel is "off-line", it will not respond to the DMX input signals.

9. Channel STATUS LED: A bi-colour LED indicates channel status, ie.

- Red = channel set for 60 or 120V output
- Green = channel set for 240V output
- Off = channel disabled
- Orange = voltage change selected but not yet confirmed
- Flashing = channel selected for changes to be made

10. DRIVE LED: This green LED indicates a control signal is being applied to that channel.

11. LOAD LED: This red LED serves two functions. In normal operation, it acts as an output mimic. When the channel drive is at zero, it indicates whether that channel's load is disconnected (or open-circuit).

To check a load, set the channel drive to zero. The **LOAD LED** will turn ON if there is no load.

For levels above zero, the **LOAD LED** will mimic the channel output whenever a load is connected.

Note that the channel circuit breaker must be ON for the **LOAD LED** circuitry to work.

BREAKER	LOAD	CHANNEL DRIVE	LOAD LED STATUS
on	not connected	off	ON
on	connected	off	OFF
on	connected	on	OUTPUT MIMIC
off	doesn't matter	doesn't matter	OFF