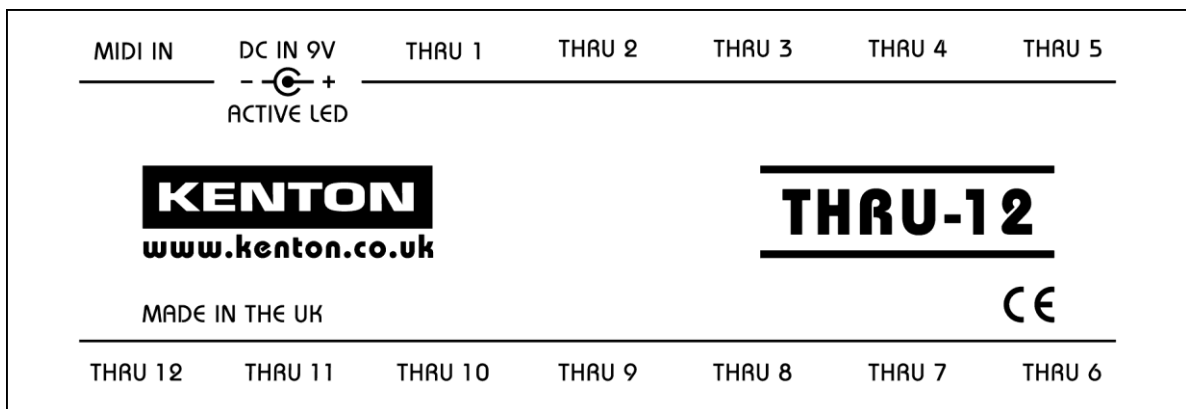


KENTON

THRU-12

1 into 12 MIDI Thru Box



Operating Manual

FCC STATEMENT:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WEEE DIRECTIVE

(applies to the European Union & other European countries with separate collection systems)



The crossed-out wheeled bin symbol affixed to this product indicates that it should not be disposed of with other household wastes at the end of its working life. To prevent possible harm to the environment or to human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable re-use of material resources.

Household users should contact either the retailer where they purchased the product, or their local government office for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

For disposal in countries outside of the European Union

This symbol is only valid in the European Union (EU). If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

EU PRODUCT SAFETY REPRESENTATIVES:

(applies to the European Union & Northern Ireland)

Manufacturer:

Kenton Electronics Ltd
Unit 3 Epsom Downs Metro Centre
Waterfield
Tadworth
KT20 5LR
United Kingdom
www.kenton.co.uk

EC Representative:

Alex4 Distribution GmbH
Lessingstr. 98, 100 – Haus 11
13158 Berlin
Germany
www.alex4.de

Description

The THRU-12 has one MIDI Input and twelve MIDI Thru ports to enable you to connect several MIDI devices to one MIDI output, without the usual problems encountered when daisy-chaining MIDI devices.

The THRU-12 has an opto-coupled MIDI Input and separate drive circuits for each MIDI Thru socket for optimum performance. The THRU-12 also incorporates active circuitry to help restore the quality of signals received at the MIDI Input that may have become degraded by losses in the MIDI cable.

The THRU-12 is powered by a plug-top switch-mode power adaptor (supplied), so it doesn't need periodic battery changes to keep it working, enabling you to "fit and forget".

Connecting

Ensure that the power adaptor is plugged in, and the ACTIVE LED on the THRU-12 is on. Connect the MIDI output of your keyboard or computer to the MIDI Input of the THRU-12 and connect one or more of the MIDI Thru ports of the THRU-12 to the MIDI inputs of the devices you want to control.

Do not connect any of the MIDI Thru ports of the THRU-12 back to the MIDI Input of the device which is supplying data to the MIDI In port of the THRU-12, as this may cause a MIDI loop to occur. This may cause note hangs or other undesirable effects.

The ACTIVE LED will show steady green when power is connected and no MIDI is being received. It will flicker when MIDI data is being received at the MIDI Input.

Specification

Power Input	9V DC (regulated or unregulated) – never apply more than 12V (never use an unregulated supply greater than 9V as unregulated supplies typically give a higher output than shown)
Power	2.1mm plug (centre positive)
Current Draw	Idle 10mA, max 80mA
MIDI	1 x In, 12 x Thru
Weight	200g (excluding power supply)
Dimensions	161 x 54 x 35 mm
Power Supply	Supplied with 9V multi-region, switch mode power supply with 4 interchangeable heads suitable for most parts of the world, including UK, Europe, USA, Canada, Japan, Australia & New Zealand.

Warranty

The THRU-12 comes with a 12 month (from purchase date) back to base warranty, (i.e. customer must arrange and pay for carriage to and from Kenton Electronics Ltd).



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