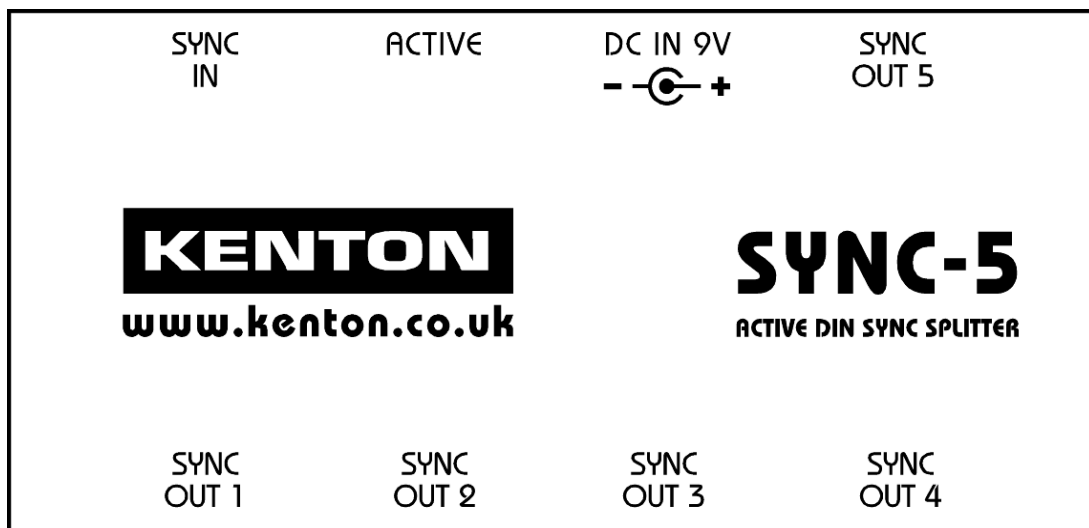


KENTON

SYNC-5

1 into 5 active DIN Sync Splitter 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 *SYNC-5* has one DIN Sync Input and five DIN Sync output ports to enable you to connect several DIN Sync devices to one DIN Sync controlling device, without the usual problems encountered when daisy-chaining devices.

The *SYNC-5* outputs are all short circuit proof and each output can drive at least 2 sync inputs if required (however you'll need splitter cable). The *SYNC-5*'s active circuitry also restores the quality of signals received at the DIN Sync Input for optimum performance.

The *SYNC-5* is powered by a mains 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 *SYNC-5* is on. Connect the DIN Sync output of your sequencer or drum machine to the DIN Sync Input of the *SYNC-5* and connect one or more of the DIN Sync Out ports of the *SYNC-5* to the DIN Sync inputs of the devices you want to synchronise.

Operation

The 'active' LED will be lit when the unit is powered on. When sync is applied, the LED will flash with the sync pulses at low tempos, however at higher tempos the flash will become too fast to see and the LED will just appear to be on, but at a slightly lower brightness. If a 'start' signal is present but no sync, the LED will go out.

Although intended primarily for use with Roland equipment (24 clocks per quarter note), the *SYNC-5* can also be used with Korg equipment (48 clocks per quarter note) although it cannot convert between the two.

The DIN Sync outputs of the *SYNC-5* give approximately +5 volts when high which is enough to drive all DIN Sync Inputs. The DIN Sync Input of the *SYNC-5* will accept any voltage up to +15 volts so can be connected to the output of any DIN Sync equipment without any problem.

All 4 signal pins are connected between input and output although in most applications only Stop/Start (pin1) and Clock (pin3) are used. The ground connection (pin 2) is always used.

For your reference DIN Sync connectors are wired as follows:

Pin

- 1 – Stop / Start
- 3 – Clock
- 4 – Reset & Start (may differ on some devices)
- 5 – Fill In (may differ on some devices)
- 2 – Ground

If looking at the solder terminals of a DIN plug with the pins arranged in a semicircle at the bottom (like a smile) then the pin numbers going left to right are 3,5,2,4,1.

Specification

Power	9V DC @ 10mA (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 Input	2.1mm plug (centre positive)
Sync In / Out	1 x 5 pin DIN input, 5 x 5 pin DIN outputs
Weight	110g (excluding power supply)
Dimensions	100 x 50 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 SYNC-5 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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