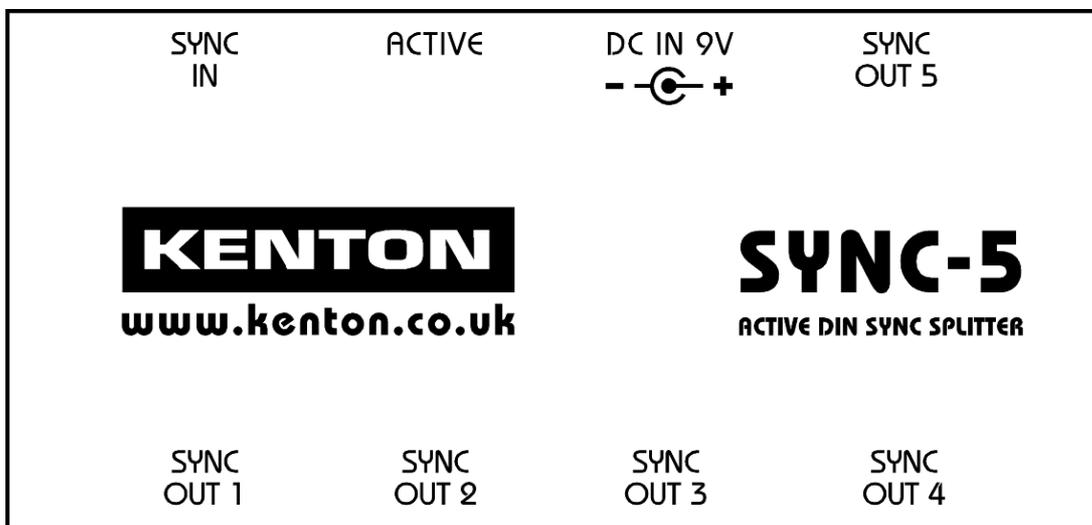


KENTON

SYNC-5

1 into 5 active DIN Sync Splitter Box



Operating manual

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-5s 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 46 x 32 mm
Power supply	An energy efficient switch-mode PSU is supplied with unit. Unit will be shipped with a power supply appropriate to the destination country. UK, EU, US & Australian types are available.

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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