

# MB Sync24 converter

Sync24 is (was) used by Roland, to synchronise machines before the midi became popular.

Basically, it's just a "pulse clock sync" at 24ppqn (24 pulses per quarter note)

This converter help to sync your Roland Tb-303 Tr-606 Tr-808 to sync with midi, or to sync your apeggio (sh-101 / juno60 etc..)

Such a device already exist and is distributed by :

- doepfer <http://www.doepfer.de/msy2.htm>
- kenton <http://www.dv247.fr/invnt/11643/>
- etc <http://www.philrees.co.uk/products/sync-if.htm>

but it's often pretty expensive. (From 50 to 100euro)

Now, you can build your own for much less.

It's working both ways :

1. Midi clock to Sync24 (the most often this is what you want)
2. Sync24 to Midi clock

## The hardware

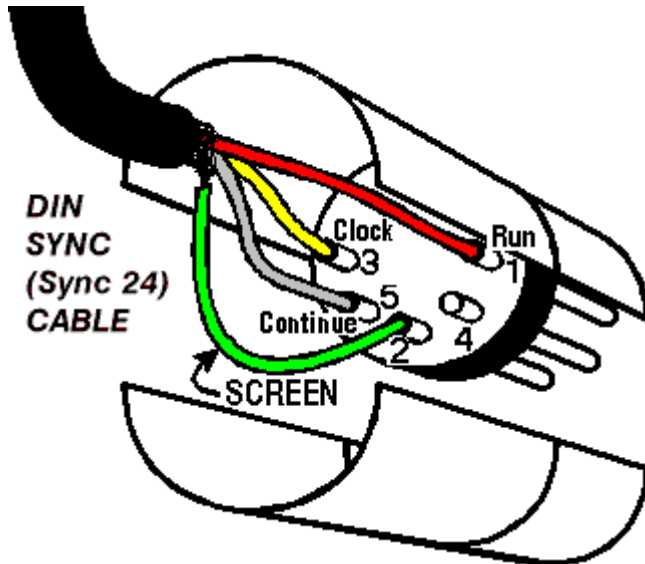
It is made of :

1. A core module
2. A dout module (if you want to convert Midi → Sync24 )
3. A din module + a lil board (if you want to convert Sync24 → Midi )

(i will describe this part later, because i must improve it)

You dont need a screen, so it can works with batteries for quite a long time.

### Sync24 Connector

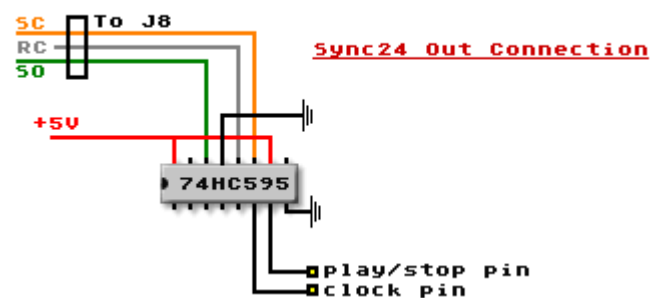


## Sync24 Connectors Are Not MIDI Cables

Dont use midi cables as sync24 cables, because the wiring is different, and most often, the pins 1 and 5 used by sync 24 are left unwired in midi cables.

### SyncBoy

<http://sidabitball.free.fr>  
<http://ucapps.de>



## The program

Is still beta, but working fine. It's tested in both directions with :

1. TR626 (midi),
2. Yamaha RM1X (midi),
3. TR909 (midi AND sync24)
4. TR808 (sync24)
5. TR606 (sync24)
6. TB303 (sync24)
7. Nintendo Gameboy running LSDJ ('kind of' sync24)
8. MidiOX :)

Get it here : [http://sidabitball.free.fr/cli/sync\\_boy/MB-sync0.7.zip](http://sidabitball.free.fr/cli/sync_boy/MB-sync0.7.zip) (Link was temporarily offline!!)

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<https://wiki.midibox.org/> - **MIDIbox**

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