

PAM SYNCING F.A.Q (VØ.I)

General advice

Read the fine manual before checking here (<http://busycircuits.com/docs/alm001-manual.pdf>). Always make sure you are running the latest firmware (see <http://busycircuits.com/firmware/> - holding start/stop during power on will display the firmware version).

0/. Pam always displays 25 BPM when I try and sync it to Device X

Pamela is likely set to expect a much higher PPQN ('Pulses per Quarter Note' aka pulses per beat) than what the external clock is set to. Therefore the external clock appears *very slow* and as the minimum clock speed of Pamela is 25 BPM, Pamela will lock to this (not being able to go any slower). To rectify either increase the external clock PPQN (recommended) or reduce the PPQN Pamela expects (long hold on BPM screen, then scroll to 'c' screen to set expected PPQN - see manual pg.10).

1/. Pam won't keep time with my MIDI clock.

MIDI clocks are NOTORIOUSLY bad at keep time especially those originating from a computer over USB. Unfortunately Pam can't fix a sloppy clock. If you want to sync Pamela to your computer it is STRONGLY recommended you check out non midi solutions such as the 'silent way' hardware and software solutions from Expert Sleepers (<http://www.expert-sleepers.co.uk/>) or the 'Sync Gen' software/hardware from Inner Clock Systems (<http://www.innerclocksystems.com/>).

2/. How do I connect a DIN Sync device ?

Pamela out of the box will sync to a DIN Sync clock but a physical adapter is needed. One can be easily made (see manual pg.15) or purchased - see both ALM004 - D.S.G (<http://busycircuits.com/alm004/>) or the expert sleepers 'DJ-1200' cable (<http://www.expert-sleepers.co.uk/accessories.html>)

Also refer to <http://busycircuits.com/docs/alm004toalm001.pdf>

3/. Pamela won't keep good time with my external device X's clock.

Check your external clock is outputting as higher PPQN ('Pulses per Quarter Note' aka pulses per beat) as possible. As noted in the manual, a 24 PPQN clock is strongly recommended for tight syncing. Note: Pamela does more than 'dumbly' follow an external clock - it has to divide / multiply / chop / delay the incoming clock thus it NEEDS a high resolution clock to work well.

Also make sure you have the latest firmware and avoid free run mode if possible.

5/. My external clock does not have a 'Run' signal - how do I get Pamela to automatically start stop ?

See the manual for Free run mode (pg.12).

6/. How do I sync two Pams together ?

On the 'master' Pam - set one trigger to a 24 multiplier and patch to 'slave' Pam 'clock' input. Again on the master set a trigger to '--' and then patch to the slave Pam 'Run' input. Assuming you slave Pam is the new one and it has default settings (i.e expects a 24 PPQN clock) - starting and stopping the master should sync the slave.

Note this mechanism will also work with the Euclidean firmware assuming that is the slave.

