OSCILLATOR DEVICES

MIDI-Solutions and Custom FX

Imp MIDI Manual

The following commands are valid for Imp-SPST and Imp-3PDT of the versions Imp-1.1 and Imp-1.2.

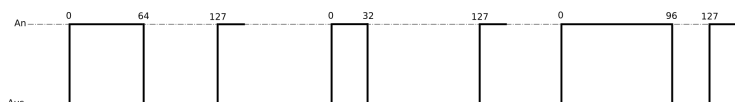| CC	#	Funktion		#	Funktion
10	00	Off		10	Toggle to the beat of the MIDI clock in 1/4 notes
	01	On		11	Toggle to the beat of the MIDI clock in 1/8 notes
	02	Toggle (On to off or off to on)		12	Toggle to the beat of the MIDI clock in triplet notes
	03	Hold (Corresponds to a pressed and held switch)		13	Toggle to the beat of the MIDI clock in 1/16 notes
	04	Release (Release held switch)		14	Toggle to the beat of the MIDI clock in dotted 1/8 notes

The command "Hold", or MIDI clock synchronous commands, are interrupted by pressing the switch.

Some effects devices react strangely when a tap tempo signal is constantly being sent. There is the possibility to only give a limited number of impulses. Enough for the effect to take over the beat.

CC	#	Funktion
11	0-19	1-20 times toggle to the beat of the MIDI clock in 1/4 notes
	20-39	1-20 times toggle to the beat of the MIDI clock in 1/8 notes
	40-59	1-20 times toggle to the beat of the MIDI clock in triplet notes
	60-79	1-20 times toggle to the beat of the MIDI clock in 1/16 notes
	80-99	11-20 times toggle to the beat of the MIDI clock in dotted 1/8 notes

It is possible to adjust the pulse-pause ratio. For example, with the same period duration, the "on phase" can be longer than the "off phase".

CC	#	Funktion
12	0-63	On-phase is shorter than Off-phase
	64	On-phase and off-phase are of the same length
	65-127	On-phase is longer than Off-phase

MIDI Channel

The **Imp**'s MIDI channel is adjustable. To change the MIDI channel, proceed as follows

1. Disconnect the device from the power supply
2. Press the button and restore the power supply while it is pressed. The device starts to flash its LED after the startup delay has elapsed.
3. Press the button according to the number of the desired channel (e.g. twice for channel 2). The **Imp** acknowledges this by emitting short flashing impulses according to the number of the channel.
4. Once the desired channel is set, press the button and hold it down until the **Imp** switches off completely.
5. Disconnect supply voltage. The next time the **Imp** is started, it reacts to the selected MIDI channel.

To put the **Imp** in omni mode (i.e. it responds to every channel) skip step 3.

In the function as a tap-tempo switch, the feedback via switching impulses does not apply. The process remains the same, but must be carried out blindly.