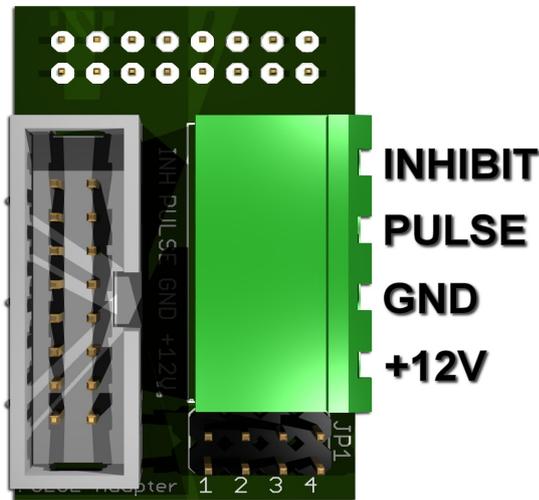




## PULSE-Adapter [BILL] v1.01

With the PULSE-Adapter [BILL] it is possible to connect external cashless credit devices like [Nayax cashless payments](#), [Ingenico - Smart POS](#), [CCV EU](#), [OTI - Payment Readers](#), [USA Technologies - ePort Cashless Devices](#), [Sacoa Debit Card, POS and Redemption System](#), a coin chute with impulse switch, or any other pulse device, easily via plugable terminal connector to a 16 pin BILL connector with NV10 pinout, like it is on the [CASH-Interface2](#) or [CASH-Interface MC8](#) board.



The PULSE-Adapter BILL has a 16 pin connector that fits to default bill plugs, and offers again a 16 pin coin plug to plug in the originally bill acceptor cable, so you do not lose the bill acceptor connector. By a jumper it is possible to select the bill channel, on which the external credit signal is transferred to. The external cash device can be controlled via INHIBIT of the bill plug, too.

The PULSE-Adapter can handle ACTIVE LOW signals. Nayax and OTI pulse connection it is just power (plus / minus), and the pulse signal.

### Occupation of the 4 pole plug:

Usage:	NAYAX AMIT3	NAYAX VPOS TOUCH	NAYAX ONYX	OTI
1 = +12V DC	"AC/DC+" (brown) "VCC" (Black)	"AC/DC IN +" (Red) "VCC" (Light Blue)	"AC/DC-IN +" (Red)	PIN1
2 = GND	"AC/DC-" (green) "GND" (Red)	"AC/DC IN -" (Black) "GND" (Brown & Grey)	"AC/DC IN -" (Black)	PIN3
3 = PULSE	"PULSE1" (orange)	"PULSE1" (Green)	"PULSE1" (Green)	PIN9
4 = INHIBIT	"EX Pulse" (purple)	"EX Pulse" (Purple)	"Inhibit-1" (Purple)	

Hint: VCC is optional and normally not needed when using the "Closed-Circuit mode"

Be sure to verify the cables color and pinout in the device manual!

Of course the connected device, e.g. Nayax, must operate with PULSE interface.

Pulse length should be set to 100ms, (100ms is default with coin and bill validator).

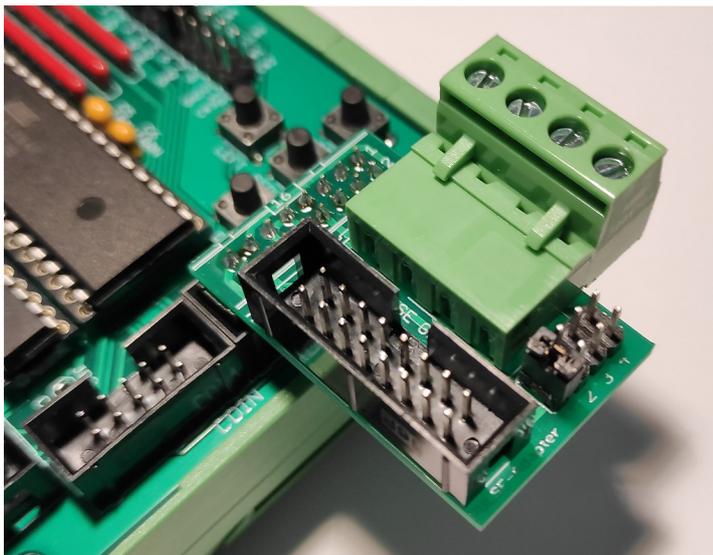
A pulse must be LOW (ACTIVE LOW is default with coin and bill validator).

If you get the "Cash only" message on Nayax devices, you need to connect also the INHIBIT (4) line, that is the "EX Pulse" (Purple) cable!

The INHIBIT is controlled via the CASH-Interface2 (or host device), and working if the TOTALBLOCKING in the software is off (yellow LED on the board on). Or you connect the "EX Pulse" (Purple) cable directly to GND, then it always accepts credit card.

Be sure to set up the INHIBIT attribute for the Nayax device through the Nayax web-interface, too!

### CASH-Interface2 with PULSE-Adapter [BILL]:



The PULSE-Adapter [BILL] is simply plugged into the BILL plug on the host board.

We offer several other equipment in our web shop at:  
<https://www.casino-software.de/shop>

Example with Nayax ONYX pulse cable (C130003):

