

CASH-Interface2 Nayax Connection

User manual

Board: CASH-Interface2 v1.20

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1. INTRODUCTION

With the CASH-Interface2 board it is possible to connect and use the Nayax cashless payment system VPOS (Amit 3) or VPOS TOUCH, and add several forms of payment beside the classic cash payments methods like coins and banknotes. Of course it is possible to use all payment methods together, coins, banknotes and cashless.

2. NAYAX DEVICE SETUP

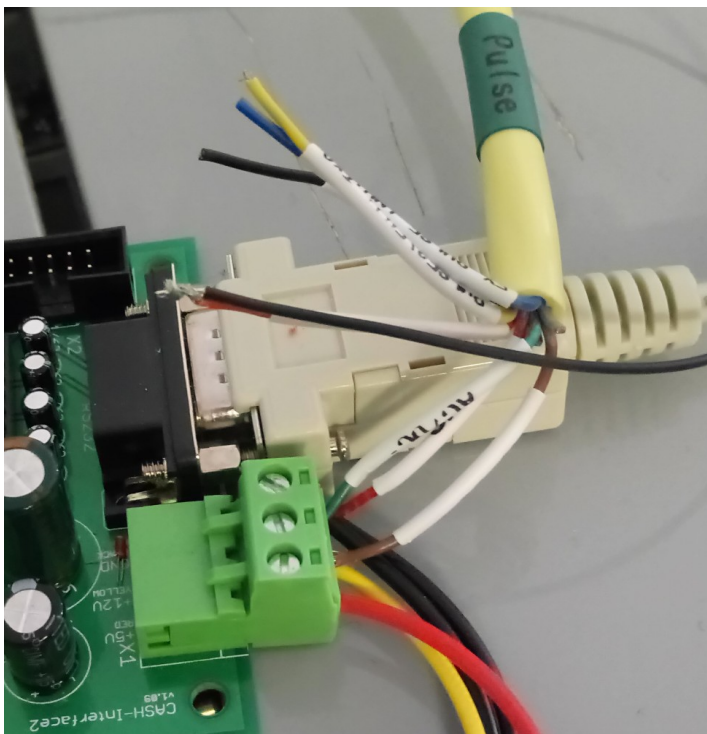
The Nayax device must operate with PULSE interface. All Nayax device setup is done in the Nayax web interface. Contact your Nayax dealer for more information on how to set up Nayax for PULSE interface and several prices.

PULSE interface means Nayax sends out ACTIVE LOW impulse(s) to signal credits. For example set up Nayax to send 1 pulse for each Euro credit. So for 5 Euro there are 5 pulses on the Nayax PULSE output line.

3. CASH-Interface2 Connection

The Nayax pulse connection to the CASH-Interface2 are just some wires, power (plus and minus) and the pulse signal itself. Optional there is a INHIBIT line to enable or disable the device. There are different Nayax devices with different PULSE cables, be sure to use the table that fits for your device!

3.1 NAYAX AMIT 3 Connection



"AC/DC IN +" (Brown)	=> CI2 +12V DC
"AC/DC IN -" (Green)	=> CI2 GND
"PULSE1 RXD" (Orange)	=> CI2 #6 pin (#1 - #6)
"VCC" (Black)	=> CI2 +12V
"GND" (Red)	=> CI2 GND
"EX Pulse" (Purple)	=> CI2 INHIBIT, coin plug pin 6 or bill plug pin 9-12

In this example the system works without connecting VCC (Black) cable, just Brown, Green and the Orange cable.

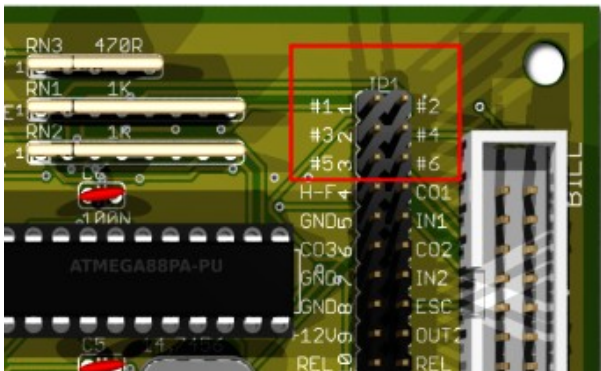
3.2 NAYAX VPOS TOUCH Connection

"AC/DC IN +" (Red)	=> CASH-Interface2 +12V DC
"AC/DC IN -" (Black)	=> CASH-Interface2 GND
"PULSE1" (Green)	=> CASH-Interface2 #6 pin (#1 - #6 possible)
"VCC" (Light Blue)	=> CASH-Interface2 +12V
"GND" (Brown & Grey)	=> CASH-Interface2 GND
"EX Pulse" (Purple)	=> CASH-Interface2 INHIBIT, coin plug pin 6, or bill plug pin 9-12

3.3 CASH-Interface2 PULSE INPUT Connection

One possible Nayax setup is to set the costs is one pulse, then connect the Nayax pulse line to e.g. #6 of the CASH-Interface 2 and set the value for that #6 in the CI2 software (see CI2 manual how to change # values).

Or set the Nayax pulse to 1 pulse every Euro, and connect the Nayax pulse line to the 1 EUR coin line (normally 1 Euro coin is #4 if you start the coins with the 10 Cent coin, depends on your CI2 setup).



The #1 - #6 pins are located on the CASH-Interface2, JP1 pin header.

Simply use one of the 2 pin cables that was included with the CASH-Interface2.

3.4 INHIBIT

The INHIBIT is controlled via the CASH-Interface2, 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.

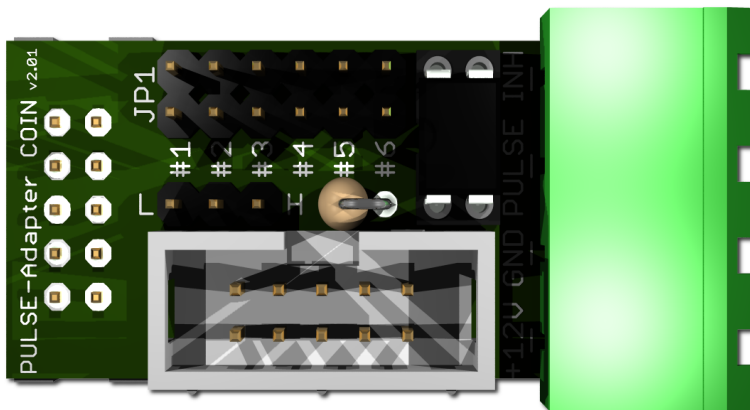
If you get the "Cash only" message on Nayax devices, you need to connect also the INHIBIT (4) line, the "EX Pulse" (Purple) cable!

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

4. PULSE ADAPTER

Another possibility to connect the Nayax PULSE wire is to use our PULSE-Adapter. There are two types of the PULSE-Adapter available, a COIN and a BILL version.

4.1 PULSE-Adapter COIN



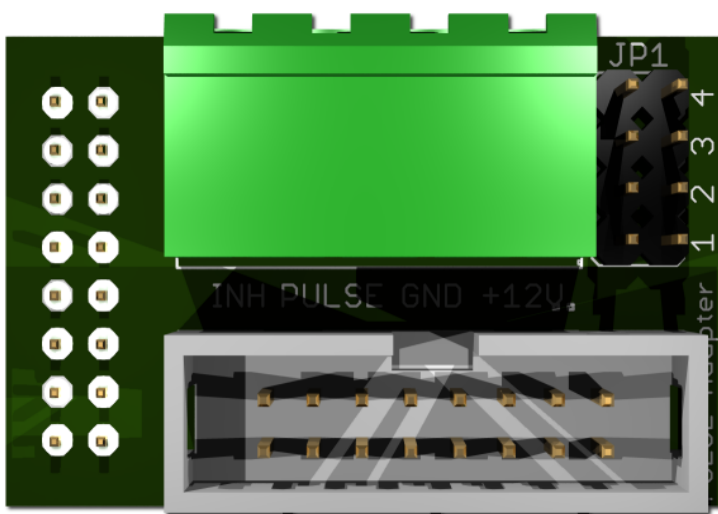
The [PULSE-Adapter COIN](#) has a 10 pin connector that fits to default coin plugs, and offers again a 10 pin coin plug to plug in the originally coin acceptor cable, so you do not lose the coin acceptor connector.

The Nayax device can be connected easily via plugable terminal connector. With a jumper you can select the coin channel on which the

external credit signal is transferred. Additionally there is an INHIBIT out, to control the acceptance of the Nayax device. Occupation of the 4 pole plug:

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

4.2 PULSE-Adapter BILL



The PULSE-Adapter BILL has a 16 pin connector that fits to default NV9/ NV10 plugs, and offers again a 16 pin plug to plug in the originally bill acceptor cable, so you do not lose the bill acceptor connector.

The PULSE-Adapter BILL offers the same options as the above PULSE-Adapter COIN, select the bill channel by jumper and a INHIBIT output.