NAYAX Cashless Payment System- Installation guide

MDB/Executive Protocols

Objective

This manual is a step-by-step installation guide for Nayax Cashless Payment System components. It covers the stages from unpacking all the way to installation and the first test vend.
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Nayax AMIT 3 VPOS kit parts connection

Nayax AMIT 3.0 VPOS kit includes:

- AMIT 3.0 Device, VPOS, SIM card, RJ628 cable, MDB YDEX cable, Antenna.
Amit 3.0 MDB YDEX Cable

Nayax Antenna
Prior to Installation make sure you perform the following:

1. Check the machine model and protocol:
   - With MDB protocol, the connection is between the VMC and the coin mechanism.
   - Executive protocol requires an MDB peripheral cable and 12V DC power adaptor (see separate installation instructions).
   - Mechanical protocol requires an MDB peripheral cable and 12V DC power adaptor (see separate installation instructions).

2. Check that the machine software supports card readers.

3. Make sure the cable length is sufficient when choosing the installation position.

4. Check for DEX plug or DDCMP connector.

5. Check that all parts of the cashless unit are present (Wireless module, Bezel, MDB Cable, Antenna).

6. Make sure machine power is off.
SIM Card

- Insert the Sim card in the socket located at the top of the AMIT 3.0 device
Amit 3.0 MDB YDEX cable connection

- Insert the cable to MDB/DEX socket in the bottom of AMIT 3.0
**Vpos connection**

- Connect the RJ45 plug to the VPOS “MAIN” connector.
- Connect the RJ 6 plug to AMIT 3.0 “VPOS” connector.
- If you are using an RJ626 cable, connect it to the left socket on the back of the Vpos.  
  (There is no functionality difference between the cables and sockets)
Antenna placement and connection

- Connect Antenna to the Amit 3 device:
- SMA Screw female Connector on antenna to SMA screw male Connector on device
- Locate internally to avoid vandalism.
- Locate externally to increase signal strength.
- Make sure antenna in not surrounded by metal (reception loss).
- Make sure the antenna cord is not damaged or pinched when the door is closed.
- Connect between the Antenna and Amit 3.
Nayax set Installation in a vending machine/simulator.

Card Reader – Internal installation (Bill acceptor window):
1. Locate and remove window cover.
2. Place the card reader from within the vending machine.
3. Fasten in with nuts.

Card Reader – External installation (Bill acceptor present or no acceptor window):
1. Remove the back plate of the card reader by unscrewing the 4 bolts.
2. Locate a place on the external wall for the card reader.
3. Make sure the reader's location will allow a successful card swipe.
4. Use back plate as a stencil to mark the 5 marked holes.
5. Use #4 drill bit to drill the 5 marked holes.
6. Use a cone shaped drill to widen the center hole.
7. Thread cables in the center hole.
8. Fasten card reader to machine with the 4 bolts that held the back plate.

Wireless Module
Must be placed in a visible location with clear access to the buttons, make sure the modules position will not interfere with normal operation of the machine:
1. Do NOT place module in a damp or refrigerated area.
2. Do NOT place module in a hot area (engine etc.).
3. Do NOT expose module to outside moisture (e.g. rain).
4. Place module with easy access to it in case part replacement is necessary.

Connect MDB Cable to Vending Machine Controller (VMC) and coin mechanism.
- Connect DEX 1/4 inch male Jack to VMCs DEX 1/4 Female plug.

Sever connection between VMC and Coin mechanism.
- MDB Male Molex to VMCs MDB female Molex
- Coin mechanism MDB Male Molex to MDB Female Molex
Operating and Testing

1. Turn machine on
   - Make sure products are present before vend test
   - Make sure prices are setup before the vend test
   - Make sure door switch does not inhibit the machine's work state

2. Once machine is powered up, a system Self-Test is automatically initiated, performing:
   - SIM card check
   - GPRS communication check
   - Server connectivity check

3. Once LCD displays "Swipe Card/Dial" – swipe card for testing purposes. "Sound" and "Communication" check is performed

4. Carry out trial purchases using following methods:
   - A cash purchase – check that charge price was correct
   - A credit card purchase – check that charge price was correct
   - A card vend cancel – check that credit is not retained on transaction cancel

Once all purchases are successfully completed the unit is fully installed and ready to use!