**MEI™ Flash Box**
**Installation & Operation Manual**

The MEI™ Flash Box is installed between the vending machine and the bill acceptor (in-line).

## 110 Volt Bill Acceptors

110 volt MEI™ Flash Box

**In-line Installation:**

Power down vending machine. (Always power down vending machine when removing components)
Connect the 9 pin connector to the power supply from the vending machine.
Connect the 30 pin connector to the side of the bill acceptor.
Turn on **Switch 8**, **all other switches off**.
Power vending machine back up. Follow the diagnostic codes on the next page.
Once successful software is downloaded, the bill acceptor will perform a run & stack. (Wait for the run & stack before disconnecting the MEI™ Flash Box)

## 24 Volt Bill Acceptors (MDB only)

24 volt MEI™ Flash Box

**In-line Installation:**

Power down vending machine. (Always power down vending machine when removing MDB components)
Unplug the MDB connector between the vending machine and the bill acceptor.
Connect the 6 pin MDB female connector from the MEI™ Flash Box to the MDB harness male connector that comes from the bill acceptor.
On the other end of the MEI™ Flash Box, connect the 6 pin MDB male connector from the MEI™ Flash Box to the MDB harness female connector that comes from the vending machine control board.
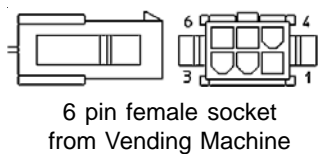Turn on **Switch 8**, **all other switches off**. Power vending machine back up.
Follow the diagnostic codes on the next page.
Once successful software is downloaded, the bill acceptor will perform a run & stack. (Wait for the run & stack before disconnecting the MEI™ Flash Box)
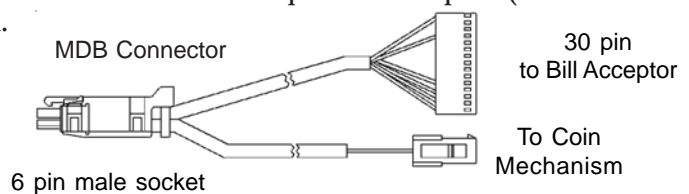
**Note: When flashing a VN25XX 24 volt MDB unit, the unit will flash approximately 20 times Red before changing to flashing green. The MEI™ Flash Box will not work for 24 volt pulse bill acceptors (non-24 volt MDB Units). Contact MEI for more information.**

**MEI™**
**<--Flash Box-->**

6 pin female socket
from Vending Machine

6 pin male socket

MDB Connector

30 pin
to Bill Acceptor

To Coin
Mechanism

## Diagnostic Codes

The chart below indicates the color-coded combinations of diagnostic LEDs on the MEI™ Flash Box. For each color, there is a solid indicator and flashing combinations.

🔴 Red conditions -  Fault.

🟢 Green conditions -  No Fault

🟢 🔴 Solid Light        🟢 🔴 Flashing Light

| LED Indicators | | Status |
|---|---|---|
| Solid Green | 🟢 | The bill acceptor is OK. **Upgrade completed** or No upgrade is necessary. Bill acceptor has the same or newer software than what is on the MEI™Flash Box. |
| Solid Red | 🔴 | Power to the Flash Box but no communication to the bill acceptor. Unit disconnected during download (back to starting mode). Turn on **Switch 8** on the bill acceptor. |
| **Green and Red both Flashing** | 🟢 🔴 | Connected & checking software version in the bill acceptor |
| Flashing Green | 🟢 | Downloading software from Flash Box to bill acceptor |
| 1 Flash Red | 🔴 | Software in Flash Box not applicable to connected bill acceptor.* |
| 3 Flash Red | 🔴 | Software in the Flash Box corrupted. Contact MEI. |

**\* Do not connect a Canadian bill acceptor with a Flash Box containing US software. Do not connect a US bill acceptor with a Flash Box containing Canadian software. Flash box will be labeled US or Canadian only.**

**Note[1]: Always power down vending machine when unplugging components to avoid damage to the vending machine control board.**

**Note[2]: Please note software upload may take up to 3 minutes depending on the bill acceptor model.**

**Note[3]: When flashing a VN25XX 24 volt MDB unit, the unit will flash approximately 20 times Red before changing to flashing green.**

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