CRIND Settings Explained and How They Should Be Set:

APP CONFIG

Inactivity Time
09:52

<1> CRINDBIOS
<2> DISPLAY MANAGER

<CANCEL> - BACK TO PREVIOUS MENU

CRINDBIOS

Inactivity Time
09:57

<1> CRIND
<2> DISPLAY
<3> CUSTOMIZATION
<4> DIAGNOSTICS
<5> PUMP
<6> PRINTER

<CANCEL> - BACK TO PREVIOUS MENU
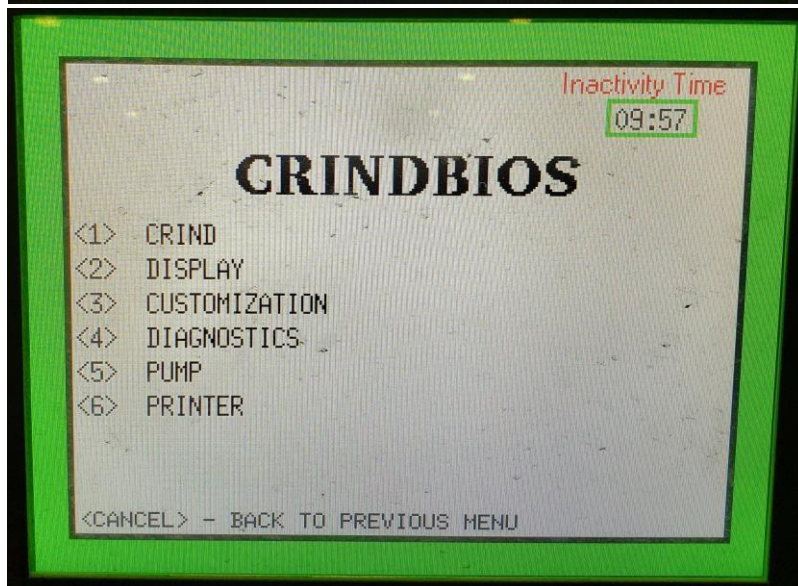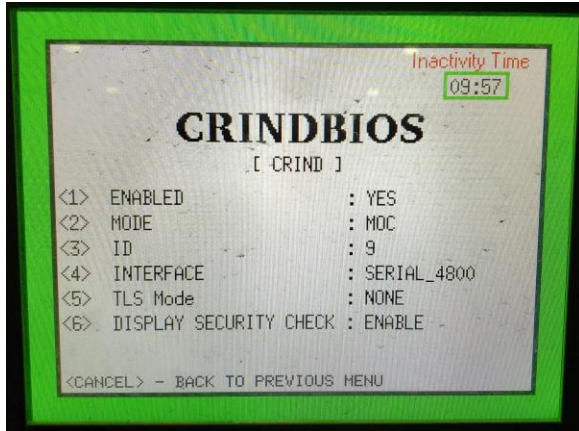
<1> CRIND

<1> ALWAYS **Enabled**

<2> **MOC** or **GENERIC** - depending on Passport or 3rd Party POS

<3> Fueling Position ID as identified by the POS for that CRIND

<4> How is the POS talking to the CRIND?

- If serial, then what baud rate

- Gilbarco Passport is default 4800

- Verifone Commander sites should be 9600 – the Commander must also be set to 9600

- If doing CRIND Over IP (CoIP) then set to IP

Side note here; ANY site that you are able to turn CoIP on, DO IT!! All Passport sites with FlexPay II or FlexPay IV that are running version 11.02 or higher are able to do COIP if the necessary hardware is installed to the dispensers (BRCM / DCM hardware or CAT5 run). Doesn't matter if they are doing Applause or not. If you turn on CoIP now when are you installing and starting up the equipment, or doing a POS upgrade, then when EMV needs to be turned on it is only a single setting in the POS.

<5> TLS Mode - if you are not doing CoIP or EMV set to **NONE**

- For Passport CoIP set to **Mutual Auth**
- For Verifone Commander & *SOME* Allied & *SOME* Radiant CoIP set to **Single Auth**
- For any other POS or Pump Interface doing CoIP or EMV you need to ask them what they are using for TLS and if they have provided those certificates to Gilbarco. Currently, most are set to NONE

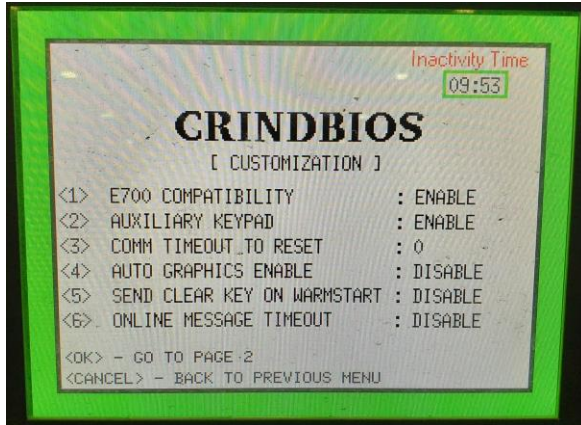<6> **ENABLED**

<2> DISPLAY
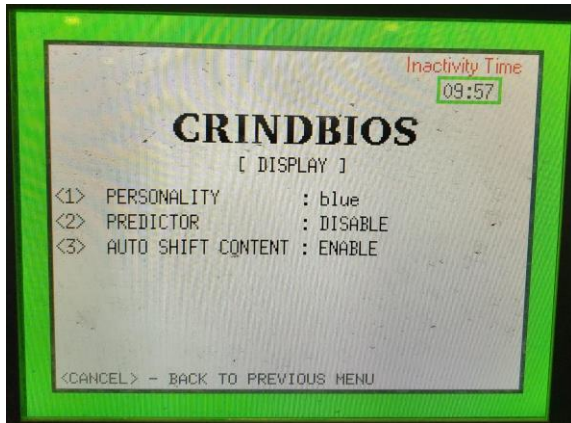
<1> leave at **blue** unless you have a customer that has a custom personality for their sites. You will need to obtain that custom personality from them and load it via the M7 Maintenance Tool. Then it will show up as an option when you press <1> on this screen.

<2> ALWAYS **DISABLED**

> There isn't a POS / software out there that will work with FP4 and still needs the CRIND Predictor to be running.

<3> Only gets used for E900 15.6" touch screen. You can leave this one blank.

<3> CUSTOMIZATION (page 1)

<1> **ENABLED** - for most POS's. Is set to DISABLED for sites with Allied NexGen.

<2> **ENABLED** if there is an auxiliary keypad installed on the door

<3> Always set this to **0 (zero)**
> This is a feature that allows the UPM to reboot if it has not communicated with the POS in the period of time (minutes) that is set.
> - **With Omnia this must ALWAYS be 0 (zero).** You don't need this with Omnia because Omnia is constantly pinging the UPM. 0 disables it.
> - With DCM2.x you can set it to 30 minutes, my recommendation is disable it.
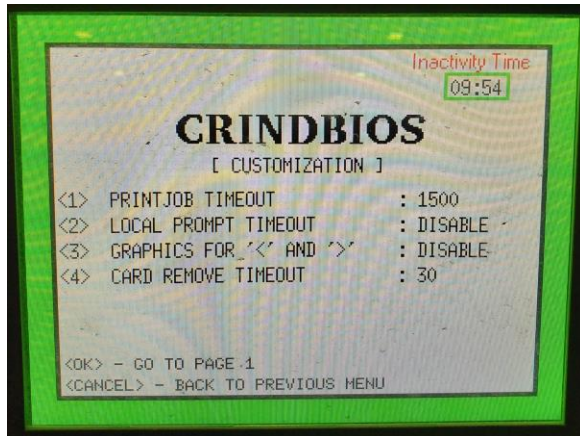
<4> **DISABLED**

<5> **DISABLED**
> **Enabled** for dispensers connected to NCR POS or Allied NexGen

<6> **DISABLED**

The last 3 settings above are intended for workarounds for potential issues with 3rd party POS. 5 is the only one currently configured to work at this time so 4 & 6 should be set to disabled.

<3> CUSTOMIZATION (page 2)

<1> set to **3000**

> This is a period of time (milliseconds) the CRIND will wait before thinking the data to be printed is complete from the POS and stops receiving data. Some POS systems will take time between segments of data for a receipt and if this is too short of a time period it will not complete the full receipt. So set this to 3000.
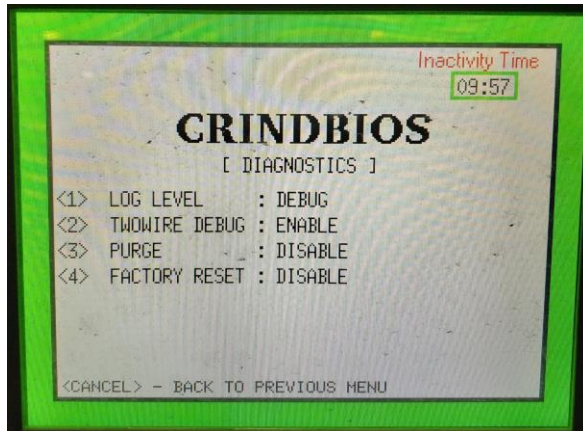
<2> **DISABLED**

<3> **DISABLED**

<4> **30**

> This is the time (seconds) before an error message is displayed to alert the customer to remove the card from the reader.

<4> DIAGNOSTICS

<1> **DEBUG**

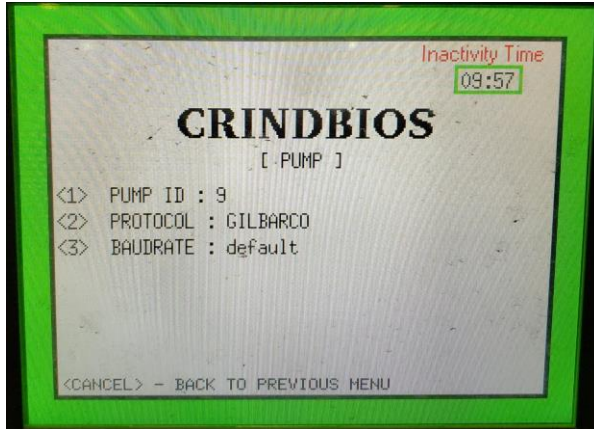<2> **ENABLED**

<3> **DISABLED**

This being set to enabled will cold start the CRIND. The CRIND will then have to be downloaded from the POS again.

<4> **DISABLED**

This being set to enabled will reset all CRIND settings (all settings under APP CONFIGURATION) to system default. You will then have a reprogram all CRIND settings.

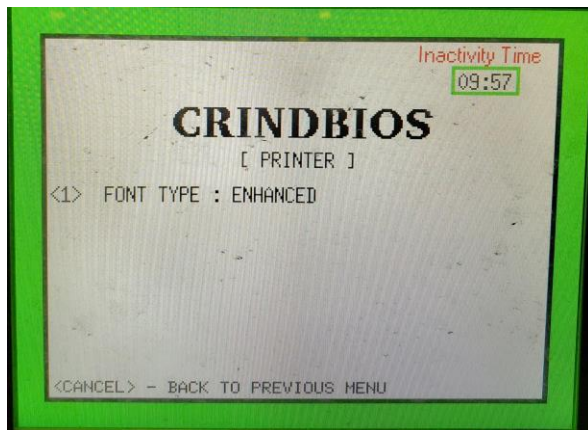## <5> PUMP

<1> Fueling Position as recognized by the POS. Matched the PCN programming for this FP

<2> ALWAYS **GILBARCO**

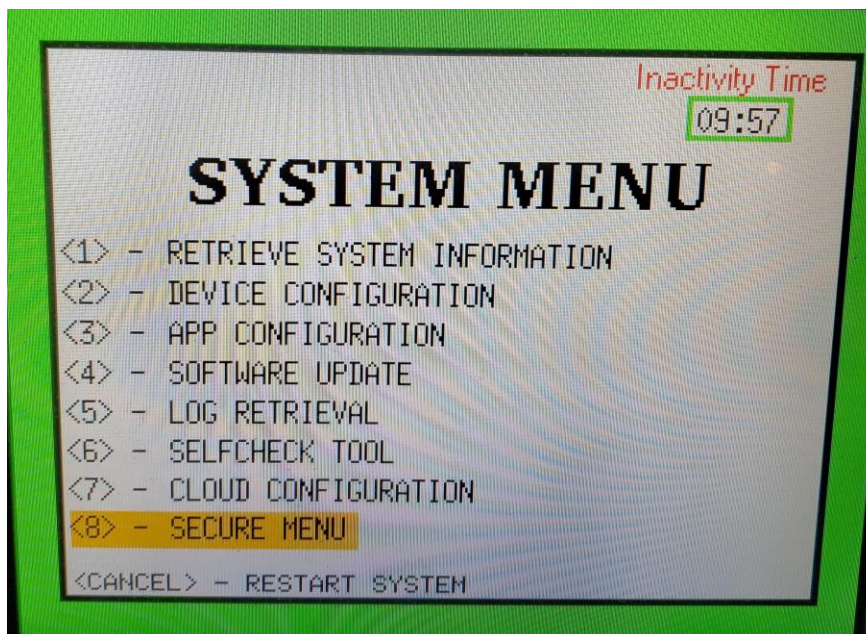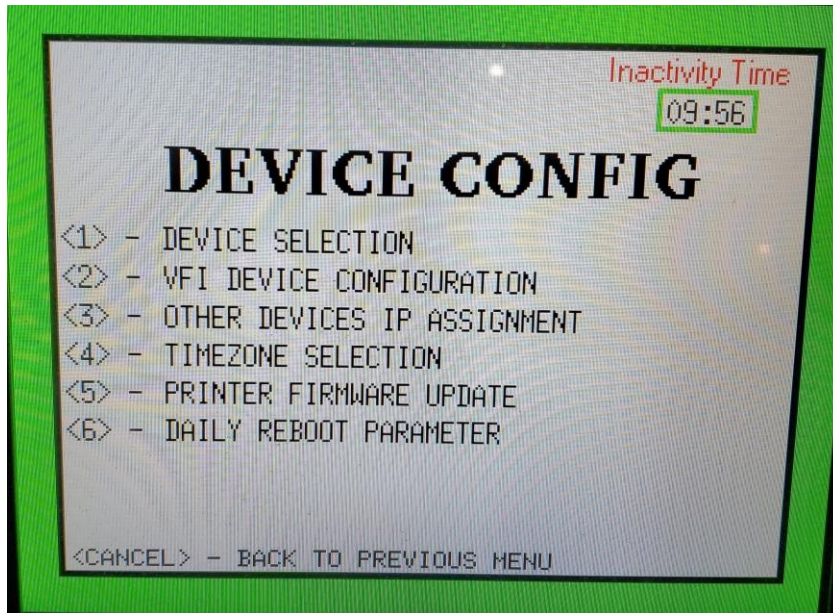<3> ALWAYS **default**

<6> PRINTER

<1> **ENHANCED**

It is also critical that these device settings are also set correctly

MAIN **SYSTEM MENU**
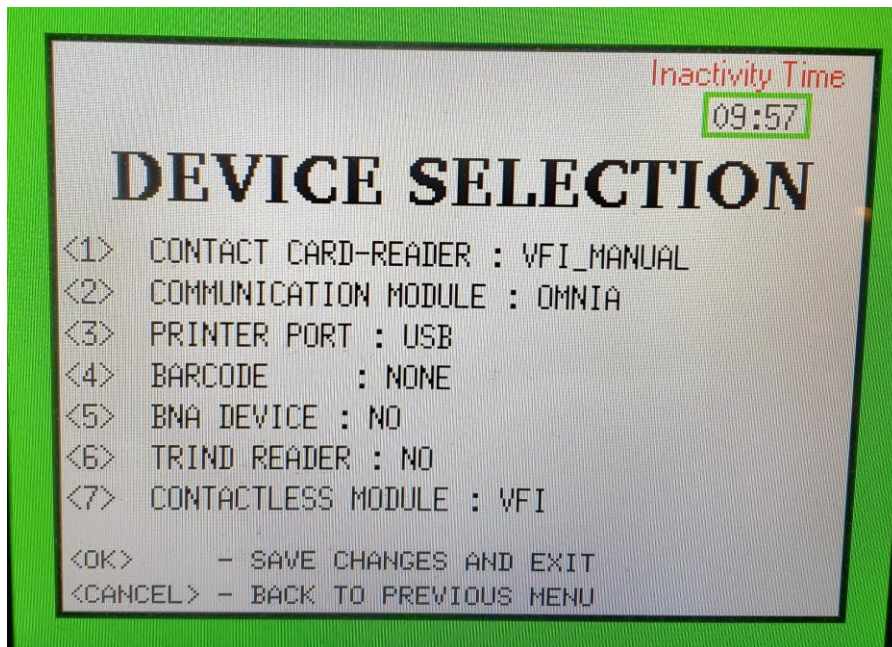Select **<2> - DEVICE CONFIGURATION**

<2> DEVICE CONFIG

1> - DEVICE SELECTION

<1> DEVICE SELECTION

<1> CONTACT CARD-READER: **VFI_MANUAL**

<2> COMMUNICATION MODULE:

    If the dispenser has Omnia installed this MUST be set to: **OMNIA**

    If the dispenser has DCM2 installed this MUST be set to: **Standard**

<3> PRINTER PORT: **USB**

<4> BARCODE: **NONE**

    If the dispenser has a 2D scanner this MUST be set to: **GVR-SCANNER**

<5> BNA DEVICE: **NO**

    If the dispenser has a cash acceptor installed this MUST be set to: **YES**

<6> TRIND READER:

<7> CONTACTLESSS MODULE:

    If the dispenser has no contactless hardware this MUST be set to: **NONE**

    If the dispenser has the UX400 installed this MUST be set to: **VFI**