

Freedom Easy Pump

Verifone with Mako 6600 Setup Guide

This guide provides detailed instructions on how to configure the Mako MNSP, wireless access point, Verifone Commander and the FA80 Bridge for use with the Freedom Easy Pump. Technicians must be VASC certified.

Tools: You will need a laptop with a functional ethernet adapter and wireless capability, and the Managers login for the Configuration Client.



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Table of Contents

| | |
|---|----|
| 1. Configure the Mako 6600..... | 3 |
| 2. Program the Commander..... | 4 |
| 3. Install the Wireless Access Point..... | 12 |
| 4. Program the FA80 Bridge..... | 14 |
| 5. Install Easy Pump Dispenser Kits..... | 16 |
| 7. Remove DCR Programming in the Commander..... | 17 |
| 8. Network Layout..... | 19 |

Freedom Electronics
Technical Support 800-761-9369 option 2

Verifone
Technical Support 888-777-3536

Mako
Technical Support 844-807-0307
First Data and Heartland Template: FE VFI FD

1. Configure the Mako 6600

At the time of installation, contact the Mako helpdesk and inform them that you are installing The Freedom Electronics Easy Pump. Mako support will need to change the firewall configuration. Please refer to the Mako Networks Quick Installation Guide, if needed. See page 15 for network diagram.

First Data and Heartland Template: FE VFI FD

MAKO 6600

WAN 1 – INTERNET SERVICE PROVIDER

LAN 1 – TRUNK (TO MAKO SWITCH)

LAN 2 – FA80 BRIDGE

LAN 3 – BACK-OFFICE COMPUTER

LAN 4 – WIRELESS ACCESS POINT

2. Program the Commander


Note: Always pull a backup before and after you make these changes.

In this section we will setup the Commander to accept Mobile Payments for The Easy Pump.
Minimum Base 51 is required.

1. Login to the Configuration Manager in the CSR Functions of the register, or by accessing the Configuration Client at the following address: <https://192.168.31.11/ConfigClient.html>.

User Name: *Manager*

Password: ***current manager password***



The screenshot shows the login interface for the VeriFone Petroleum/C-Store Control Center. The page title is "Petroleum/C-Store Control Center". Below the title is a "Sign In" section with the following fields and options:

- User Name:
- Password:
- Forgot Password? (a blue link)
- Language: with a dropdown arrow
- Sign In (a button)

At the bottom of the login area is the VeriFone logo with the tagline "THE WAY TO PAY™".

- Determine the site's Latitude and Longitude. There are many ways to do this, including using Google Maps. Here we use Latlong.net, after entering the street address you will find the coordinates.

latlong.net

Place Name

Add the country code for better results. Ex: London, UK

Latitude

Longitude

For better accuracy please type Name Address City State Zipcode.

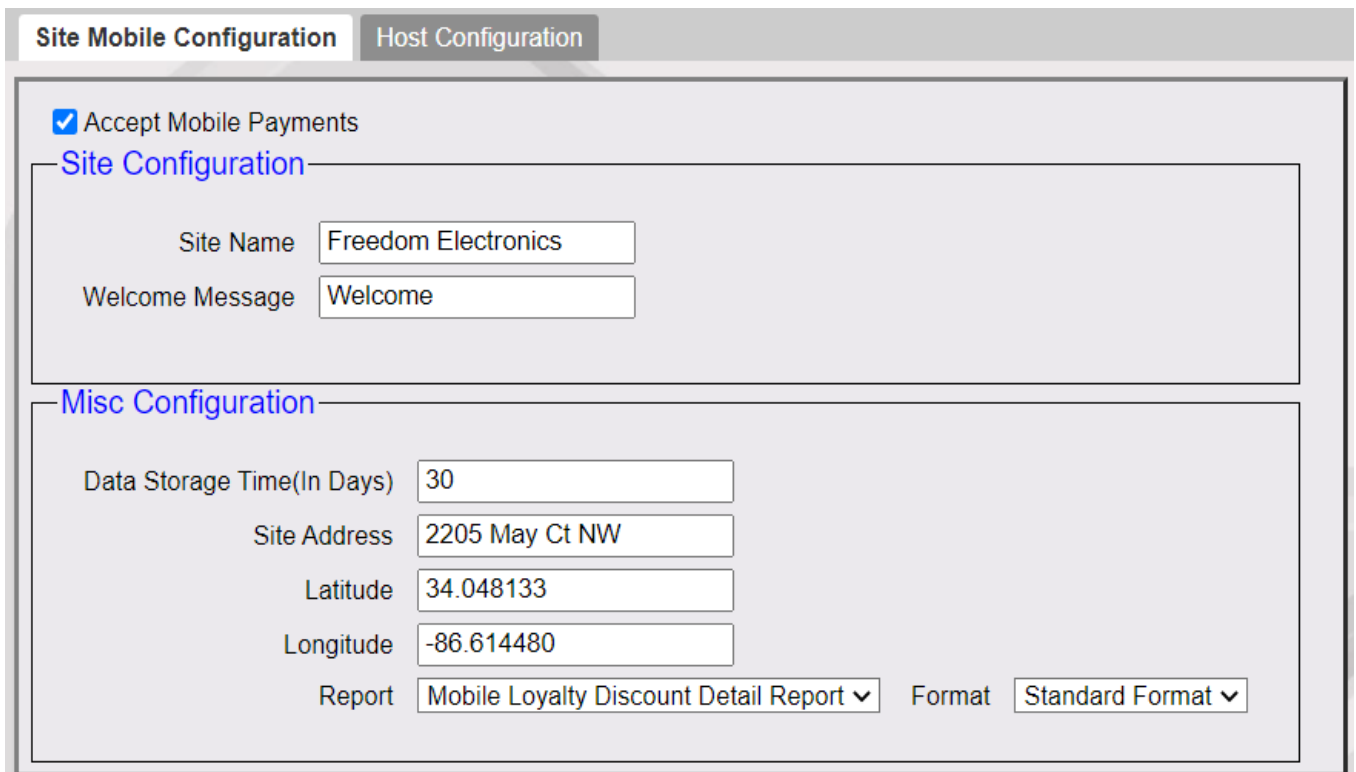


3. Navigate to Payment Controller > Mobile Payment Configuration > Site Mobile Configuration.

Check “Accept Mobile Payments”

Enter the following and SAVE.

- Site Name: *Enter store name*
- Welcome message: *Welcome*
- Data Storage Time(in Days): *30*
- Site Address: *Enter street address*
- Latitude: *Enter Latitude*
- Longitude: *Enter Longitude*
- Report: *Leave at default*



The screenshot shows a web interface for 'Site Mobile Configuration'. At the top, there are two tabs: 'Site Mobile Configuration' (active) and 'Host Configuration'. Below the tabs, there is a checkbox labeled 'Accept Mobile Payments' which is checked. Underneath, the form is divided into two sections: 'Site Configuration' and 'Misc Configuration'. The 'Site Configuration' section contains two input fields: 'Site Name' with the value 'Freedom Electronics' and 'Welcome Message' with the value 'Welcome'. The 'Misc Configuration' section contains five input fields: 'Data Storage Time(In Days)' with '30', 'Site Address' with '2205 May Ct NW', 'Latitude' with '34.048133', 'Longitude' with '-86.614480', and 'Report' with a dropdown menu showing 'Mobile Loyalty Discount Detail Report'. To the right of the 'Report' field is a 'Format' dropdown menu showing 'Standard Format'.

4. Navigate to Payment Controller > Mobile Payment Configuration > Host Configuration.

Check “*Enable Host*”

Enter the following and SAVE:

- Adapter: *VFI Mobile*
- Program Name: *EASY PUMP*
- Merchant ID: *mppa2-mer*
- Authentication Type: *Display Token*
- Store ID: *mppa2-store*
- Settlement Employee#: *5577*
- Settlement Passcode: *633225*
- Phone Number: *Enter site phone number*
- Address: *10.128.9.54*
- Port: *4710*
- Do *NOT* Check SSL Enabled
- Heartbeat Frequency: *45*
- Heartbeat Time Unit: *Seconds*
- Outdoor PreAuthorization Timeout (In Secs): *180*
- Site Initiated Loyalty: *Never Allow Site Entered Loyalty*

Freedom Easy Pump



Site Mobile Configuration

Host Configuration

Add Delete

1 - EASY PUMP

Enable Host

Host Configuration

Adapter VFI Mobile V1

Program Name EASY PUMP

Merchant ID mppa2-mer

Authentication Type Display Token

Site Terminal ID

Location ID

Store ID mppa2-store

Settlement Employee Number 5577

Settlement Passcode 633225

Phone Number 1234567890

Send Loyalty Details

Network Configuration

Address(IPv4 Format/Domain Name) 10.128.9.54

Port 4710

SSL Enabled

Heartbeat Frequency 45

Heartbeat Time Unit Seconds

Misc Configuration

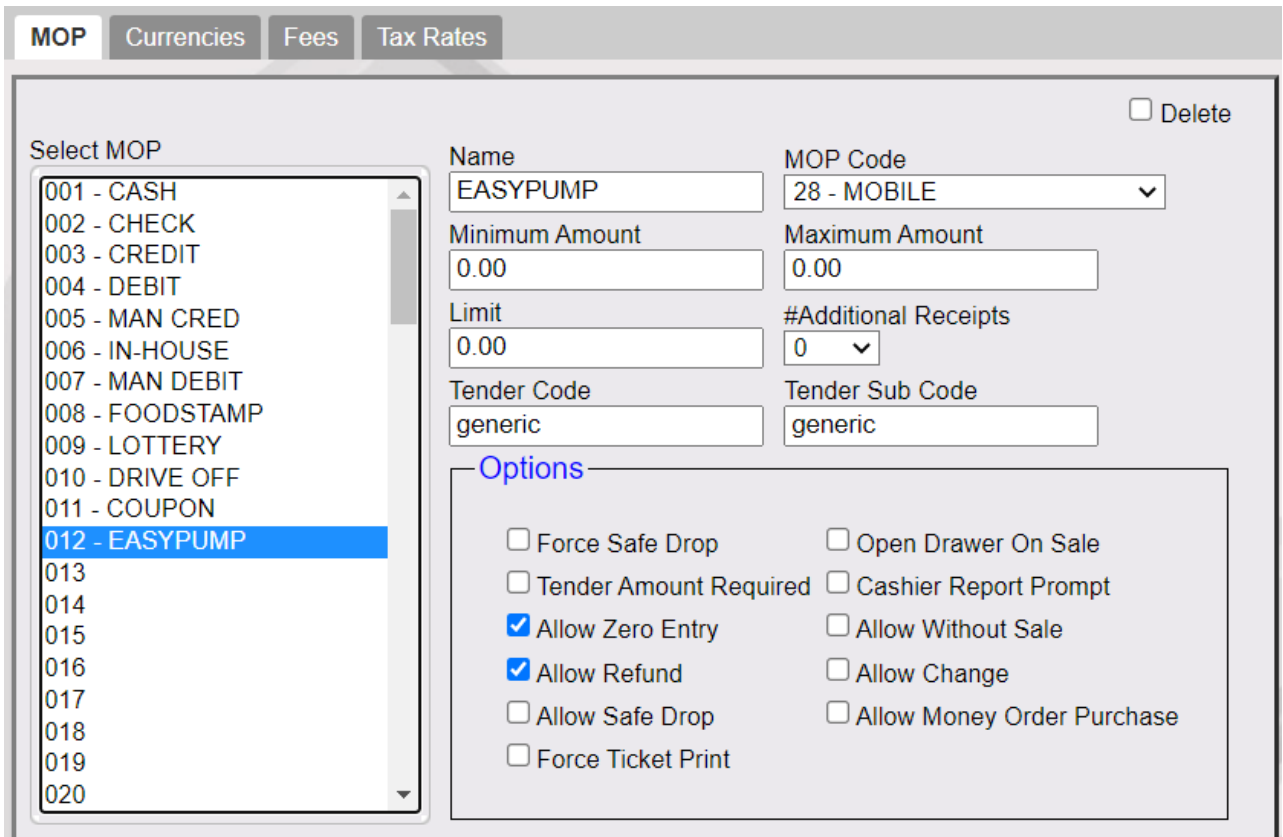
Outdoor PreAuthorization Timeout (In Secs) 180

Site Initiated Loyalty Never Allow Site Entered Loyalty

5. Navigate to Store Operations > Payment Management > MOP.

Enter the following and SAVE:

- Select the MOBILE MOP position(012 below)
- Change Name to: *EASY PUMP*
- MOP Code: *28 – MOBILE*
- Minimum Amount: *0.00*
- Maximum Amount: *0.00*
- Limit: *0.00*
- Additional Receipts: *0*
- Tender Code: *Generic*
- Tender Sub Code: *Generic*
- Check: *Allow Zero Entry and Allow Refund*



The screenshot shows the 'MOP' configuration screen. At the top, there are tabs for 'MOP', 'Currencies', 'Fees', and 'Tax Rates'. The 'MOP' tab is active. On the right side, there is a 'Delete' checkbox. The main area is divided into two columns. The left column is titled 'Select MOP' and contains a list of MOP codes from 001 to 020. '012 - EASYPUMP' is selected and highlighted in blue. The right column contains several input fields: 'Name' (EASYPUMP), 'MOP Code' (28 - MOBILE), 'Minimum Amount' (0.00), 'Maximum Amount' (0.00), 'Limit' (0.00), '#Additional Receipts' (0), 'Tender Code' (generic), and 'Tender Sub Code' (generic). Below these fields is an 'Options' section with a list of checkboxes: 'Force Safe Drop', 'Open Drawer On Sale', 'Tender Amount Required', 'Cashier Report Prompt', 'Allow Zero Entry' (checked), 'Allow Without Sale', 'Allow Refund' (checked), 'Allow Change', 'Allow Safe Drop', 'Allow Money Order Purchase', and 'Force Ticket Print'.

- Navigate to Initial Setup > Local Area Network Configuration > Device Specific Routes.

Select New

Enter the following and SAVE.

- Route Type: *Host*
- Destination: 10.128.9.54
- Gateway: 192.168.31.31
- Netmask: 255.255.255.240
- Service: *EasyPump*

Device Specific Routes

| Route Type | Destination | Gateway | Netmask | Service |
|------------|----------------|---------------|-----------------|---------------------------------|
| host | 10.128.9.54 | 192.168.31.31 | 255.255.255.240 | EasyPump |
| host | | | | Commander Console |
| host | | | | VHQ |
| host | | | | VHQ Fail Over |
| host | | | | VeriCenter(VRSD) |
| host | | | | Alt IP1 of VeriCenter(VRSD) |
| host | | | | Alt IP2 of VeriCenter(VRSD) |
| host | 192.30.100.118 | 192.168.31.31 | 255.255.255.255 | Alt IP3 of VeriCenter(VRSD) |
| host | 192.131.0.184 | 192.168.31.31 | 255.255.255.255 | Commander Configuration Manager |

New Route Config

Route Type:

Destination: ...

Gateway: ...

Netmask: ...

Service:

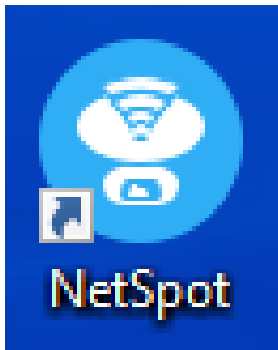
1-9 of 9

- Cycle power to the Commander/Ci.

3. Install the Wireless Access Point

1. Connect an ethernet cable from LAN 4 of the Mako 6600 to the LAN port on the PoE adapter.
2. Run an ethernet cable from the PoE port of the PoE adapter to the front of the store, where the Access Point will be installed.
3. Temporarily mount the Access Point inside the store near the front window. **Location is critical - See the Wireless Access Point Tips Guide.**
Mount it as high as possible and with the least amount of obstructions to the dispensers as possible. The Access Point's wireless signal must reach the FIM-20's at the dispensers.
4. Power up the Access Point by connecting the PoE adapter to a power plug. We recommend using a conditioned power outlet, preferably a power receptacle protected with a UPS for the Access Point and Mako equipment.
5. You should now have a wireless network named "EASYPUMP"

6. Download a WiFi analyzer app for your laptop or smart phone, such as the free edition of NetSpot.



netspotapp.com

7. With the Access Point temporarily in place, walk around each dispenser and take note of the signal strength that you experience. We recommend a signal strength greater than -60dBm at each dispenser, but signals may vary.
 - Signal strengths above **-60 dBm** are recommended for proper operation.
 - Signal strengths between **-67 and -60 dBm** may work but could encounter issues.
 - Signal strengths between **-100 and -68 dBm** are generally unusable.

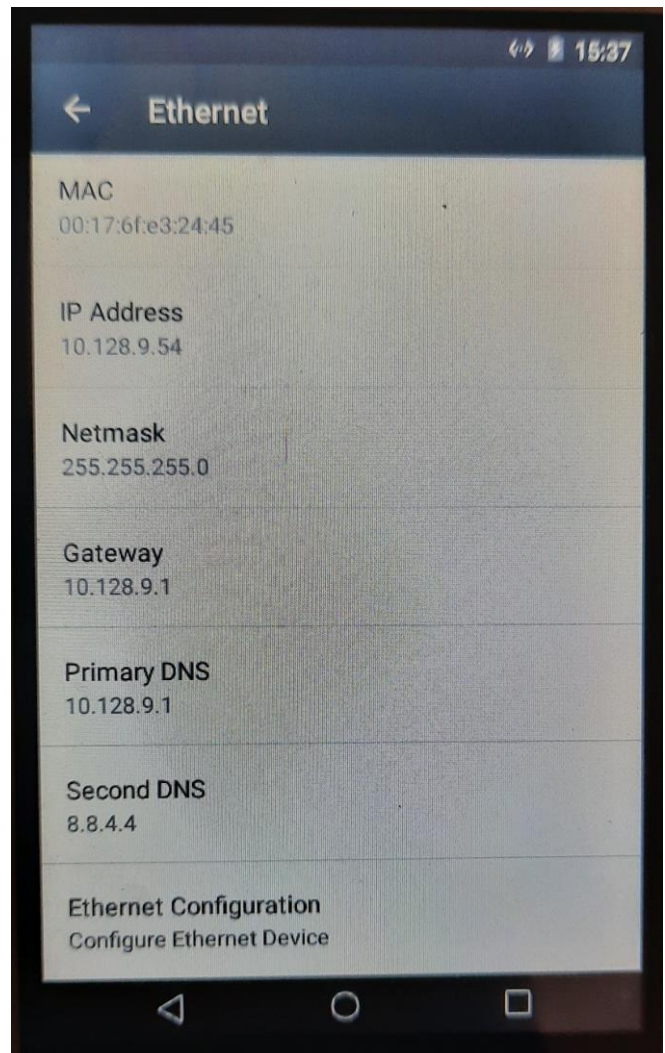
SIGNAL STRENGTH IS VERY IMPORTANT AND MUST BE VERIFIED.

8. Relocate or adjust the position of the Access Point as needed.
9. Once proper signals are met, permanently mount the Wireless Access Point.

4. Program the FA80 Bridge

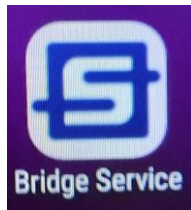
1. Connect the FA80 Bridge to LAN 2 on the Mako 6600.
2. Open Settings and configure: (Password: pax9876@@@)

- Disable Wi-fi
- Disable Bluetooth
- Enable Ethernet
- IP Mode: Static
- IP Address: 10.128.9.54
- Netmask: 255.255.255.0
- Gateway: 10.128.9.1
- Primary DNS: 10.128.9.1
- Secondary DNS: 8.8.4.4



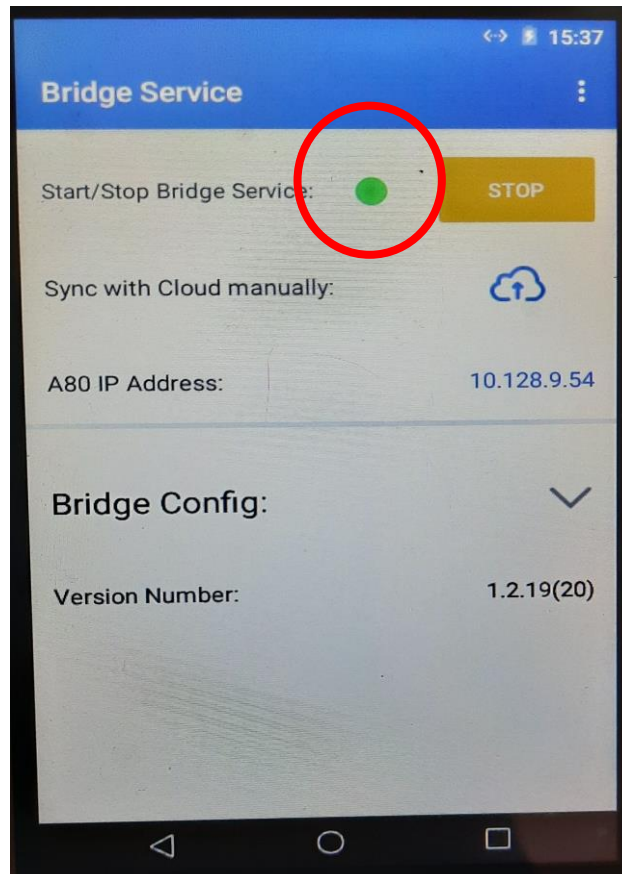
Select Save and close settings.

- From the FA80 Bridge desktop, open the Bridge Application. It may appear to be on a locked screen, enter password below. Password: Today's date MMDDYYYY *Note: This may be tomorrow's date according to Greenwich Time Zone GMT.*



- Select Start

The Bridge should start and the indicator should turn Green.



5. Install Easy Pump Dispenser Kits

At this point, you are ready to install the dispenser kits.

Please follow the appropriate Dispenser Install Manual.

Wayne Ovation Install Manual
Wayne Vista Install Manual
Gilbarco Advantage Install Manual
Gilbarco 300/500 Install Manual
Gilbarco 500S/700S Install Manual

We recommend installing a kit into the first dispenser and verify operations before moving onto any others.

The site will be able to run on dual systems, the new Easy Pump and the existing DCR's. This allows one dispenser at a time to be upgraded without affecting the other dispensers.

This will require removing current DCR programming as you upgrade dispensers.

7. Remove DCR programming in the Commander *(after each dispenser has been upgraded).*

1. Login to the Configuration Manager in the CSR Functions of the register, or by accessing the Configuration Client at the following address: <https://192.168.31.11/ConfigClient.html>.
2. Navigate to Forecourt > Fuel > Fuel Config – Pending > Fueling Positions.

Uncheck 'DCR In Dispenser' for each upgraded fueling position and SAVE.

Options

| | | |
|--|---|---|
| <input type="checkbox"/> Auto Approval | <input type="checkbox"/> Auto Disapproval | <input type="checkbox"/> DCR In Dispenser |
| <input type="checkbox"/> First In First Out | <input type="checkbox"/> DCR Prompt Preset Amount | <input checked="" type="checkbox"/> Handle Up Calling |
| <input type="checkbox"/> Ignore Pump Error | <input type="checkbox"/> Pay At Pump Only | <input checked="" type="checkbox"/> Prepay Only |
| <input checked="" type="checkbox"/> Preset Postpay | <input checked="" type="checkbox"/> Preset Prepay | <input type="checkbox"/> Stacking |
| <input type="checkbox"/> View Buzzer Off | | |

3. Navigate to Tools > Managed Modules > Current Configurations > Host Names - sitecontroller > Select Module - DCR Driver > DCR Positions – Advanced Settings.

Remove the channel programming from the upgraded fueling positions and SAVE.

Managed Modules

Current Configuration Pending Configuration System

Host Names sitecontroller

Select Module DCR Driver

DCR Positions Advanced Settings

DCR Channel 01 Advanced Settings

DCR Positions

| | | | |
|----|----|----|----|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |

4. Initialize Fuel and DCR's.

The Easy Pump should now be operational at each upgraded fueling point.

Once all fueling points have been upgraded to The Easy Pump, remove the DCR Channel programming.

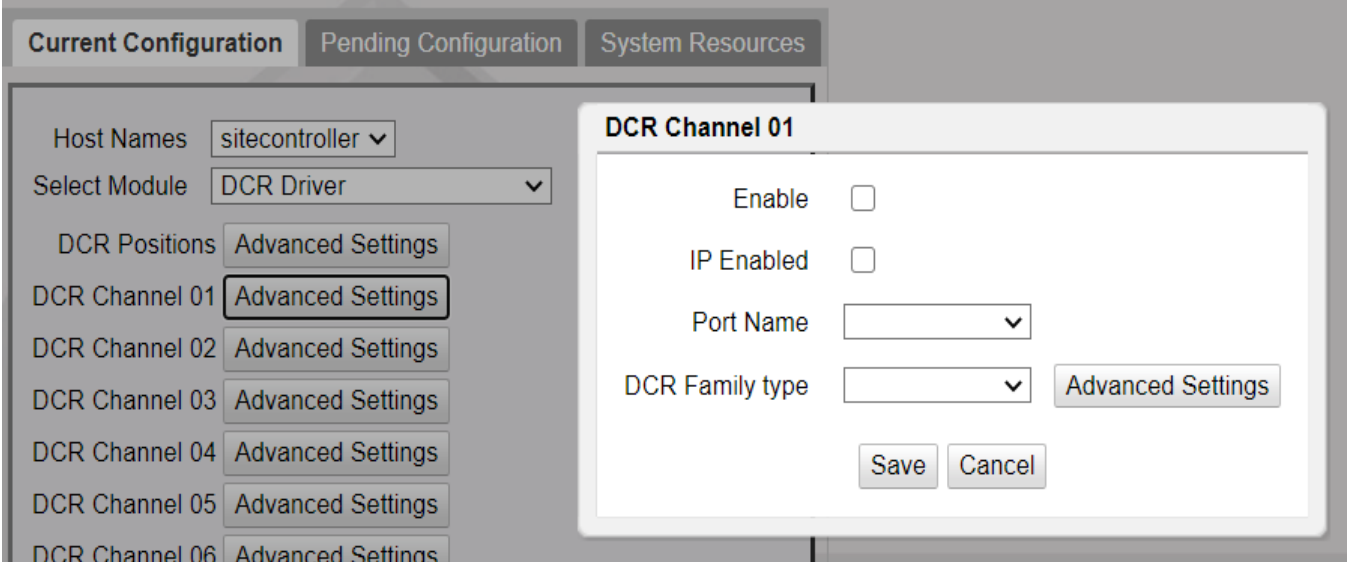
1. Navigate to Tools > Managed Modules > Current Configurations > Host Names – sitecontroller > Select Module – DCR Driver > DCR Channel 01 – Advanced Settings.

Remove DCR Family type

Remove Port Name

Uncheck Enable and SAVE

Managed Modules



The screenshot shows the 'Managed Modules' configuration interface. The 'Current Configuration' tab is active. The 'Host Names' dropdown is set to 'sitecontroller'. The 'Select Module' dropdown is set to 'DCR Driver'. The 'DCR Positions' section shows 'Advanced Settings' buttons for each channel from 01 to 06. A modal dialog titled 'DCR Channel 01' is open, displaying the following settings:

- Enable:
- IP Enabled:
- Port Name: [Empty dropdown]
- DCR Family type: [Empty dropdown] with an 'Advanced Settings' button next to it.

At the bottom of the dialog are 'Save' and 'Cancel' buttons.

2. Initialize Fuel and DCR's, including Drivers

7. Network Layout

MAKO 6600

WAN 1 – INTERNET PROVIDER

LAN 1 – TRUNK

LAN 2 – A-80 BRIDGE

LAN 3 – BACK OFFICE

LAN 4 – WIRELESS DEVICE



BACK OFFICE
192.168.13.5
GW 192.168.13.1

WIRELESS
ACCESS
POINT



FIM-20'S

A-80
BRIDGE
10.128.9.54

TRUNK

MAKO 8 PORT SWITCH



COMMANDER
NIC A

VERIFONE ZONE
PORTS 3-7
192.168.31.XXX

PORT 8
NOT
USED