

Freedom Easy Pump

Verifone with PDI PaySafe UTM Setup Guide

First Data
Heartland



Freedom
ELECTRONICS

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

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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Freedom Electronics
800-761-9369

First Data(Buypass)
Helpdesk 800-726-2629

Verifone VASC
888-777-3536

Heartland Payment Systems
Helpdesk 800-767-5258

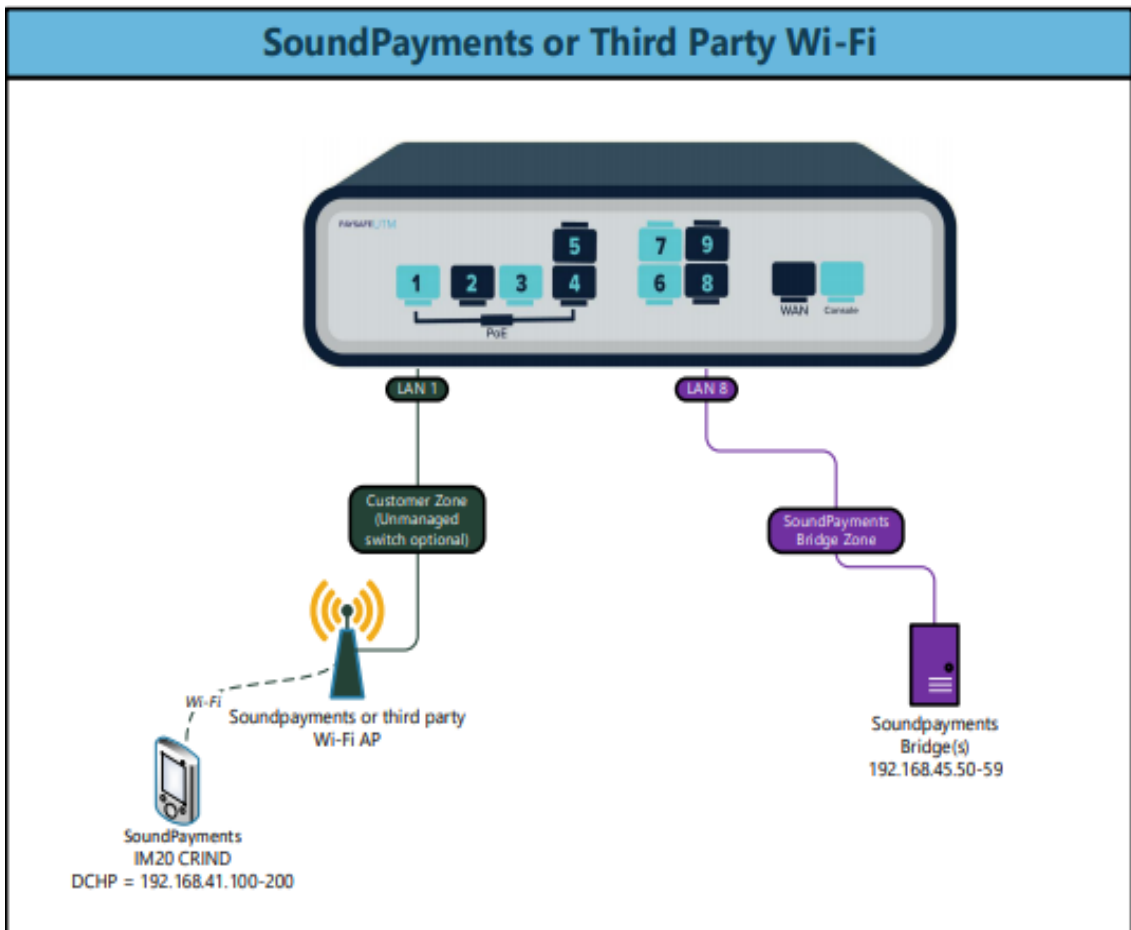
PDI
Technical Support 800-393-3246



1. Configure the PDI PaySafe

At the time of installation, contact the PDI PaySafe helpdesk and inform them that you are installing The Freedom Easy Pump using the Sound Payments Outdoor EMV template. PDI PaySafe support will need to change the PaySafe UTM firewall Configuration.

Please refer to the PDI PaySafe UTM with Sound Payments Installation Guide, if needed.



PAYSAFE UTM

LAN 1 – WIRELESS ACCESS POINT
LAN 8 – FA80 BRIDGE

2. Program the Commander/RubyCi

In this section we will setup the Commander to accept Mobile Payments for The Easy Pump.

Note: Always pull a backup before and after you perform the install.

Note: We highly recommend checking and/or replacing the battery at this time.

Note: You will be required to generate an OTP password for network changes.

Minimum Base 51 is required for First Data and Heartland.

1. Login to the Configuration Manager in the CSR Functions of the register, or by accessing the Configuration Client at the following address:

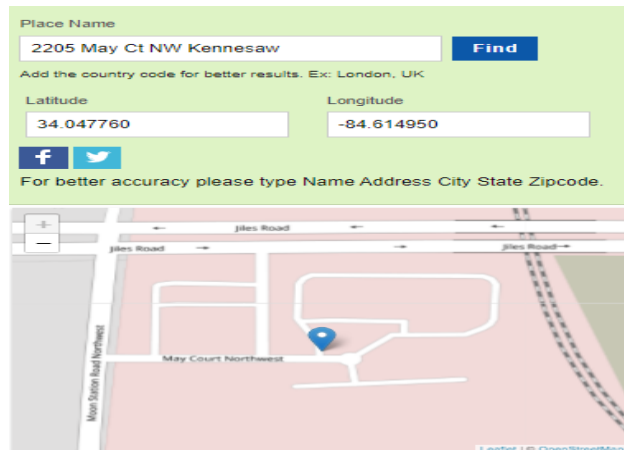
<https://192.168.31.11/ConfigClient.html>

User Name: *Manager*

Password: ***current manager password***

2. 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
2205 May Ct NW Kennesaw

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

Latitude Longitude

For better accuracy please type Name Address City State Zipcode.

Map showing location on Jiles Road and May Court Northwest.

3. Navigate to Payment Controller > Mobile Payment Configuration > Site Mobile Configuration. See figure 1 on page 5.

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*

4. Navigate to Payment Controller > Mobile Payment Configuration > Host Configuration. See page 2 on page 5.

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: *192.168.45.51*
 - 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*



Site Mobile Configuration Host Configuration

Accept Mobile Payments

Site Configuration

Site Name

Welcome Message

Misc Configuration

Data Storage Time(In Days)

Site Address

Latitude

Longitude

Report Format

Figure 1 Site Mobile Configuration

Site Mobile Configuration Host Configuration

Delete

1 - EASY PUMP

Enable Host

Host Configuration

Adapter

Program Name

Merchant ID

Authentication Type

Site Terminal ID

Location ID

Store ID

Settlement Employee Number

Settlement Passcode

Phone Number

Send Loyalty Details

Network Configuration

Address(IPv4 Format/Domain Name)

Port

SSL Enabled

Heartbeat Frequency

Heartbeat Time Unit

Misc Configuration

Outdoor PreAuthorization Timeout (In Secs)

Site Initiated Loyalty

Figure 2 Host Configuration



5. Navigate to Store Operations > Payment Management > MOP.
See figure 3 on page 7.

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*

6. Navigate to Initial Setup > Local Area Network Configuration > Device Specific Routes. See figure 4 on page 7.

Select New

Enter the following and SAVE.

- Route Type: *Host*
- Destination: *192.168.45.51*
- Gateway: *192.168.31.31*
- Netmask: *255.255.255.0*
 - Service: *EasyPump*

7. Cycle power to the Commander/RubyCi.



MOP
Currencies
Fees
Tax Rates

Delete

Select MOP

- 001 - CASH
- 002 - CHECK
- 003 - CREDIT
- 004 - DEBIT
- 005 - MAN CRED
- 006 - IN-HOUSE
- 007 - MAN DEBIT
- 008 - FOODSTAMP
- 009 - LOTTERY
- 010 - DRIVE OFF
- 011 - COUPON
- 012 - EASYPUMP
- 013
- 014
- 015
- 016
- 017
- 018
- 019
- 020

Name:

MOP Code:

Minimum Amount:

Maximum Amount:

Limit:

#Additional Receipts:

Tender Code:

Tender Sub Code:

Options

Force Safe Drop

Open Drawer On Sale

Tender Amount Required

Cashier Report Prompt

Allow Zero Entry

Allow Without Sale

Allow Refund

Allow Change

Allow Safe Drop

Allow Money Order Purchase

Force Ticket Print

Figure 3 MOP

Device Specific Routes

Route Type	Destination	Gateway	Netmask	Service
host	192.168.45.51	192.168.31.31	255.255.255.0	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)

New Route Config

Route Type:

Destination:

Gateway:

Netmask:

Service:

Figure 4 Device Specific Route

3. Install the Wireless Access Point

1. Using an ethernet cable, connect the Wireless Access Points LAN port on the PoE adapter to LAN 1 of the PayeSafe UTM. A network switch may be installed in LAN 1 if it is already being used.
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 nearest the dispensers.
Location is critical - See the Wireless Access Point Tips Guide available on the Freedom Electronics website. Mount it as high as possible and with the least number of obstructions to the dispensers as possible. The Access Point's wireless signal must reach the FIM-20's at each dispenser.
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 all other 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.
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 below **-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.

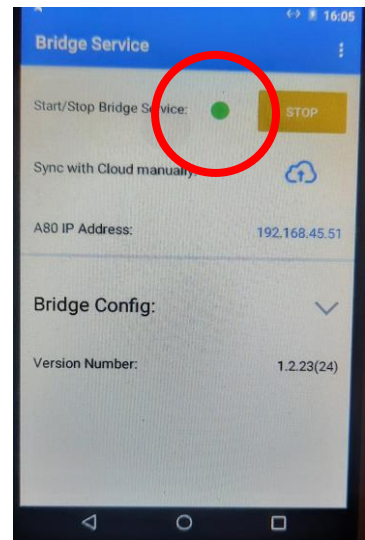
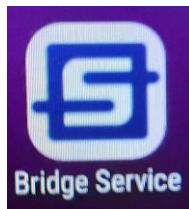
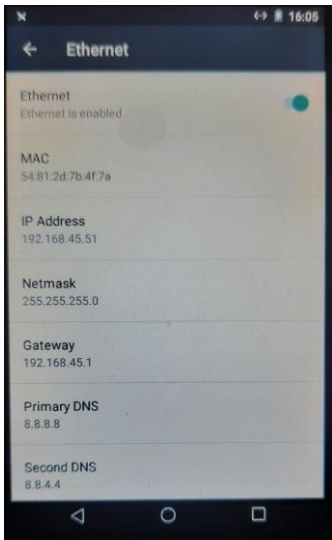


4. Program the FA80 Bridge

1. Using an ethernet cable, connect the FA80 Bridge to LAN 8 of the PaySafe UTM.
2. Open Settings and configure: (Password: pax9876@@@)
 - Disable Wi-fi
 - Disable Bluetooth
 - Enable Ethernet
 - IP Mode: Static
 - IP Address: 192.168.45.51
 - Netmask: 255.255.255.0
 - Gateway: 192.168.45.1
 - Primary DNS: 8.8.8.8
 - Secondary DNS: 8.8.4.4

Select Save and close settings.

3. From the FA80 Bridge desktop, open the Bridge Service Application. Password is the date: MMDDYYYY *Note: This may be tomorrow's date according to UTC.*
4. Select Start - The Bridge service will 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.



6. Remove DCR programming

1. Log into the Configuration Manager of the Commander/RubyCi.
2. Navigate to Forecourt > Fuel > Fuel Config – Pending > Fueling Positions.
See figure 5 on page 12.

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

3. Navigate to Tools > Managed Modules > Current Configurations > Host Names - sitecontroller > Select Module - DCR Driver > DCR Positions – Advanced Settings.
See figure 6 on page 12.

Remove the channel programming for each upgraded DCR Position and SAVE.

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 driver.

5. Navigate to Tools > Managed Modules > Current Configurations > Host Names – sitecontroller > Select Module – DCR Driver > DCR Channel 01 – Advanced Settings. See figure 7 on page 12.

*Remove DCR Family type
Remove Port Name
Uncheck Enable and SAVE*

6. Initialize Fuel and DCR's, including Drivers.



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		

Figure 5 Fueling Positions

Managed Modules

Current Configuration Pending Configuration Sys

Host Names

Select Module

DCR Positions

DCR Channel 01

DCR Positions

1	<input type="text"/>	2	<input type="text"/>	3	<input type="text"/>	4	<input type="text"/>
5	<input type="text"/>	6	<input type="text"/>	7	<input type="text"/>	8	<input type="text"/>
9	<input type="text"/>	10	<input type="text"/>	11	<input type="text"/>	12	<input type="text"/>
13	<input type="text"/>	14	<input type="text"/>	15	<input type="text"/>	16	<input type="text"/>
17	<input type="text"/>	18	<input type="text"/>	19	<input type="text"/>	20	<input type="text"/>
21	<input type="text"/>	22	<input type="text"/>	23	<input type="text"/>	24	<input type="text"/>

Figure 6 DCR Positions

Managed Modules

Current Configuration Pending Configuration System Resources

Host Names

Select Module

DCR Positions

DCR Channel 01

DCR Channel 02

DCR Channel 03

DCR Channel 04

DCR Channel 05

DCR Channel 06

DCR Channel 01

Enable

IP Enabled

Port Name

DCR Family type

Figure 7 DCR Channel