

Keeping you connected.



Pivotel Setup Guide for Cobham Explorer 540



Before using your Cobham Explorer 540, please refer to the manufacturer installation guide and user manual. This guide serves as reference only. You are responsible to ensure the terminal's settings meet your business rules and applications. Pivotel shall not be held liable for any losses or damages incurred by users of this guide. The guide is based on Explorer 540 firmware version 1.0.6 and may differ from other firmware.

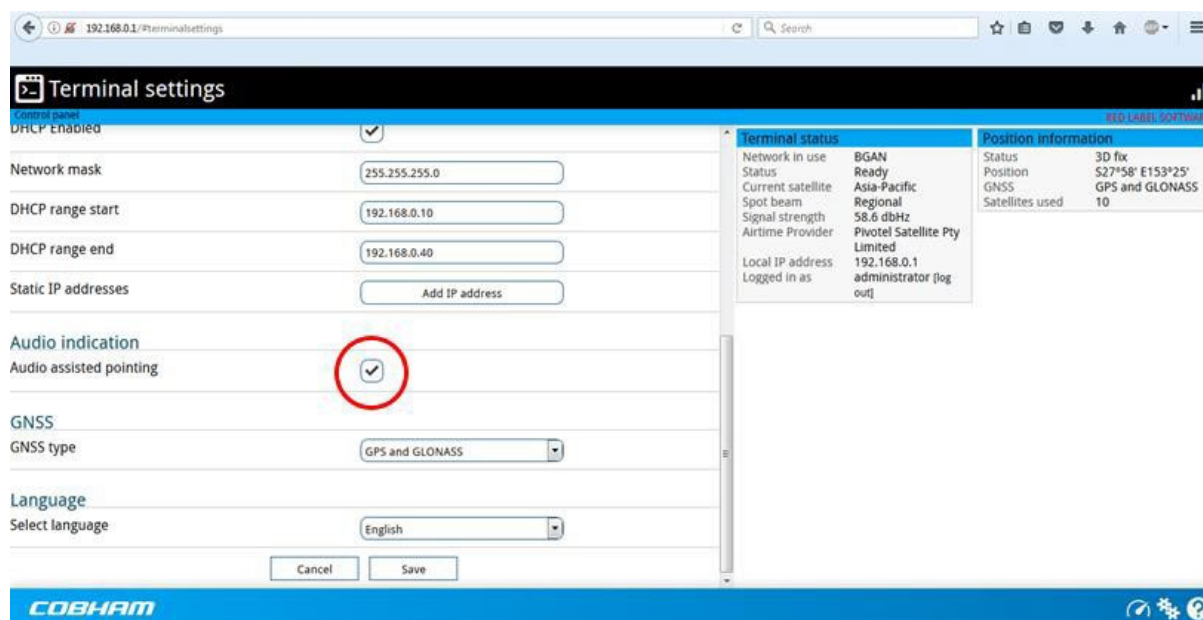
To edit the terminal settings, please ensure the SIM is installed, power supply cable is connected between the terminal and power supply and a computer is connected to the terminal using a RJ45 cable.

Please log in to the web interface as an administrator to complete the following changes. The default login credentials are below:

Web Interface: 192.168.0.1
Login Username: Administrator
Login Password: Admin

1. Audio Pointing Mode

When the terminal is turned on, there is a continuous 'beep' sound to assist you with the pointing. The sound will stop when the SAT signal strength reaches around 54dB. You can disable the beep sound by logging into the web interface - Control Panel > Terminal Settings > un-tick 'Audio assisted pointing' and click 'Save'.



2. APN Setup (Must Do)

To use the terminal with a Pivotel SIM, you need to setup the Pivotel APN.

In the web interface, go to Standard Data >  Settings > Parameters > .

1. Select "User defined" as APN configuration.
2. Enter **pivotel-aus.m2m.inmarsat.com** in the User defined name.
3. Enter **pivotel** in the User name
4. Leave the Password field empty
5. Click 'Save'.

After saving the changes please reboot the terminal.

Keeping you connected.



EXPLORER 540

| | |
|------------------------|---------------|
| Standard data | 128 Streaming |
| 64 Streaming | 32 Streaming |
| New connection package | |

Connection package

EXPLORER 540

Properties

Name: Standard data
Type: Shared connection

Connections

Standard data
No filter
Standard data

Parameters

IP Header compression: No
APN: SIM default
Automatic Context Activation (ACA): Disabled

Parameters

EXPLORER 540 > Connection package

Enter new values and click Save

Enable IP header compression

APN

User defined name

User name

Password

Automatic Context Activation (ACA)

Cancel Save

3. Automatic Context Activation (ACA) for Standard IP

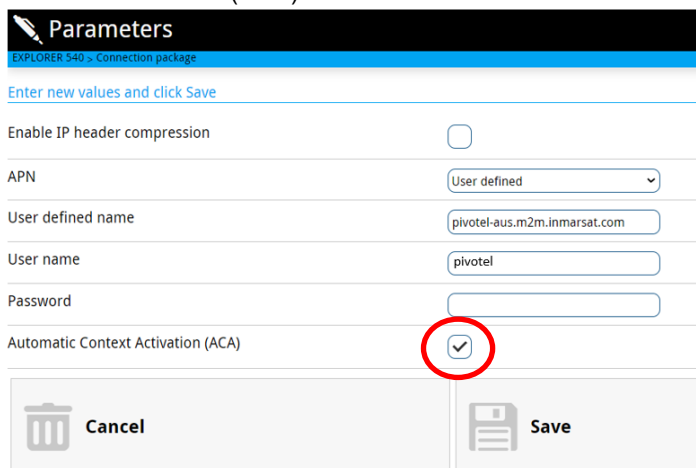
By default you have to manually activate a data connection after the terminal is registered to the network. Please refer to the user manual for methods to manually activate a data connection.

You can set up the terminal to automatically establish a data connection when it is registered on the satellite network. Automatic activation also applies to the “wake-on” actions after power save mode and by recovery after e.g. loss of power.

To enable ACA on the web interface, go to Standard Data > Context Activation (ACA) and click 'Save'.



Settings > Parameters select 'Automatic



The screenshot shows the 'Parameters' configuration page for an EXPLORER 540 terminal. The 'Automatic Context Activation (ACA)' checkbox is checked and circled in red. Other visible fields include 'Enable IP header compression' (unchecked), 'APN' (User defined), 'User defined name' (pivotel-aus.m2m.inmarsat.com), 'User name' (pivotel), and 'Password' (empty). At the bottom are 'Cancel' and 'Save' buttons.

4. Connection Watchdog

It is recommended to use Connection watchdog to monitor your locally established IP connection, as it enables you to test the BGAN connectivity and to keep your PDP context alive. With this feature activated, the terminal will send out ping commands to up to three servers of your choice. When a data session is started, the terminal will start sending ping commands to the Primary IP address the number of times specified. If no response is received, it will send the same number of ping commands to the Secondary and then Tertiary IP address if configured. If no response is received from any of the IP addresses, the terminal will eventually restart. The ping commands will use your satellite data.

Connection watchdog is disabled by default. To enable it, go to Control Panel > Advanced > Connection watchdog >

1. Tick “Enable Connection watchdog”.
2. Set the “Ping interval” in seconds (e.g. 3600 equates to 60 minutes).
3. Set the “Number of retries”.
4. Set the “Ping mode” to Ping when no traffic from the drop-down menu
5. Set the “Primary IP address” to 8.8.8.8
6. Set the “Secondary IP address” to 8.8.4.4
7. Click Save.

The example below will ping Google (8.8.8.8) every hour (3600 seconds) for 3 times before the terminal reboots itself if all 3 pings fail.

Connection watchdog (Link monitoring)

Control panel > Advanced

Enter new values and click Save

Connection watchdog (Link monitoring)

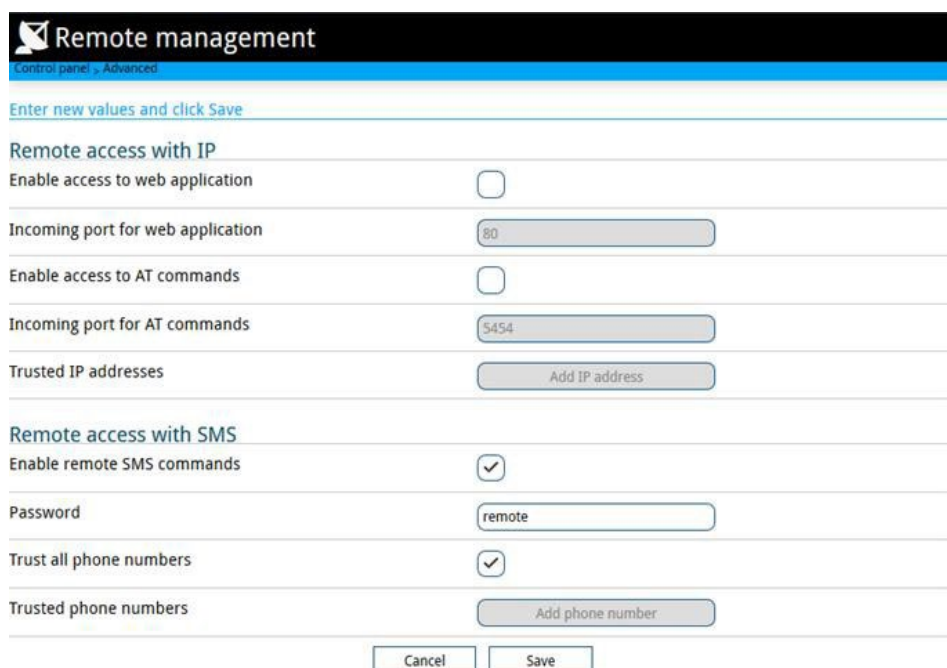
| | |
|--|---|
| Enable Connection watchdog | <input checked="" type="checkbox"/> |
| Ping interval (seconds) | <input type="text" value="3600"/> |
| Number of retries | <input type="text" value="3"/> |
| Ping interval - cellular (seconds) | <input type="text" value="300"/> |
| Number of retries - cellular | <input type="text" value="3"/> |
| Ping interval after failure - cellular (seconds) | <input type="text" value="20"/> |
| Ping mode | <input type="text" value="Ping when no traffic"/> |
| Primary IP address | <input type="text" value="8.8.8.8"/> |
| Secondary IP address | <input type="text" value="8.8.4.4"/> |
| Tertiary IP address | <input type="text"/> |

5. Accessing The Terminal From A Remote Location

By default, remote access with SMS is enabled. Any mobile number can send SMS remote commands to the terminal if they have the phone number of the terminal and the remote SMS password. Please refer to the user manual for the supported SMS remote commands.

You can limit the access to certain mobile numbers by adding them to the 'Trusted phone numbers' and click 'Save'. Please note that this is a terminal level settings and Pivotel will not have a record of the changes. The only way to edit the 'Trusted phone numbers' is by logging into the web interface or factory reset.

You can also enable remote access to your terminal by AT command or web interface over the Inmarsat BGAN network. Please refer to user manual for more information.



The screenshot shows a web interface titled "Remote management" with a breadcrumb "Control panel > Advanced". Below the title is a blue bar with the text "Enter new values and click Save". The interface is divided into two sections: "Remote access with IP" and "Remote access with SMS".

Remote access with IP

- Enable access to web application:
- Incoming port for web application:
- Enable access to AT commands:
- Incoming port for AT commands:
- Trusted IP addresses:

Remote access with SMS

- Enable remote SMS commands:
- Password:
- Trust all phone numbers:
- Trusted phone numbers:

At the bottom of the form are two buttons: "Cancel" and "Save".

6. Saving The Terminal Setting Configuration

If you need to reuse a configuration in other terminals of the same type, you can save your current configuration to a file that can then be loaded into other terminals.

Be aware that if the terminals have different software versions, some of the settings may be different than expected. If possible, use the same software version in the terminals.

To save the current configuration of your terminal to a file on your computer, go to Control Panel > Advanced > Load/save configuration > Click 'Download configuration' and the configuration is downloaded from the terminal to the downloads section of your computer.

To load a configuration from a file, go to Control Panel > Advanced > Load/save configuration > Click 'Load configuration' – Browse to the configuration file and click Open. The configuration is now loaded into your terminal. When the configuration is loaded successfully, the terminal will restart with the new configuration.

