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www.antiference.co.uk



Clear Flow[®]
Cloud Control



USER GUIDE

Important Safety Notice

Thank you for purchasing this Clear Flow networking device. Please read the following information carefully.

- 1. Do not place any items on the device**
- 2. Ensure no liquids are on or near the device as splashes may damage the unit**
- 3. For cleaning, use a damp cloth only without solvents**
- 4. Do not attempt to open the case as there is a danger of electric shock**
- 5. Repairs should be carried out by a qualified technician**
- 6. Place the unit in a well ventilated area to prevent overheating**
- 7. Carry out the installation before connecting the device to a source of power**
- 8. Use only the supplied power supply as 3rd party products may damage the product**

*If you require assistance with this product please contact
support@antiference.co.uk*



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I. Introduction

The Clear Flow Cloud Controller is a device for remote access of Clear Flow WiFi networks and other network devices. It can be configured simply to enable users to access their networks via the Clear Flow Cloud secure portal.

A user ID and password is required to use this system.

To obtain this, visit www.antiference.co.uk/clear-flow-cloud and complete the online registration form. The team at Antiference will provide your unique login details to the Clear Flow Cloud which can be found at <https://clearflowcloud.co.uk>.

When setting up the Clear Flow Cloud box, insert your user ID into the relevant field in the software and the device will appear on your portal, enabling remote access.

Clear Flow devices may be found on the network with the discovery tool and other network devices may be added manually via their MAC and IP addresses.

Features include the ability to manage multiple networks and devices via the portal and make changes as required including update firmware and make changes to settings etc.

Clear Flow Cloud User Registration

Register here to create a user portal for the Clear Flow Cloud service



All fields are required and it is mandatory to agree to our terms of use. To read our terms, click [here](#). To read our privacy policy which explains how we store your data, please click [here](#)

Please complete this form to register as a Clear Flow Cloud user

Name*	Company Name*	
Name	Company Name (if Applicable)	
Email Address*	Contact Phone Number*	Memorable Word*
Email Address	Contact Phone Number	For Password Recovery
Terms & Conditions* ☐ Please tick here to agree to our terms of use.		
Submit		

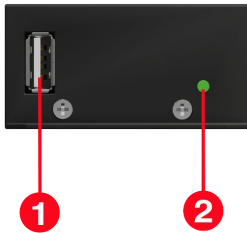


2. Features

1. Remote access control system for Clear Flow wireless networks.
2. Simple set up process including discovery tool for Clear Flow devices.
3. Access to systems via the Clear Flow Cloud secure portal
4. Multi-site option
5. Local set up managing IP addresses via DHCP host
6. Manual add option for non-Clear Flow devices (with on-board GUI) enabling control of a range of other network devices including CCTV NVR, managed network switches etc.
7. Create alias for each device for unique identity.

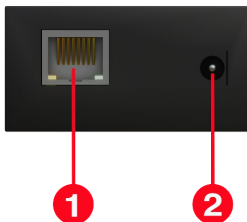
3. Description of Layouts

3.1. Top Panel Layout



- 1. USB
- 2. LED status indicator

3.2. Bottom Panel Layout



- 1. 10/100 Ethernet Port
- 2. 5V DC Input

4. Getting Started

The Clear Flow Cloud device is set to DHCP mode by default to enable seamless connectivity to a host network. Connect the Clear Flow Cloud to a host network via the Ethernet port and power it with the 5V DC adaptor. Once the device has booted, you can scan the QR code on the front panel to reveal the MAC address and assigned IP address under the DHCP server.



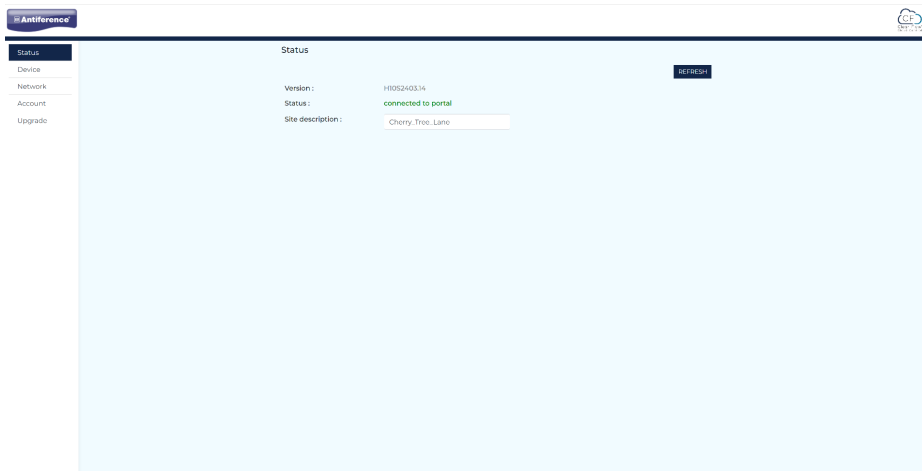
5. Logging In

Open a browser on your PC or smart device and input the IP address. The login screen will appear and using the default credentials, you can log on.

Default User Name: Admin

Default Password: 1234

The following screen will appear and the site description can added to the field. This can be the name of the job or address for easy reference etc.

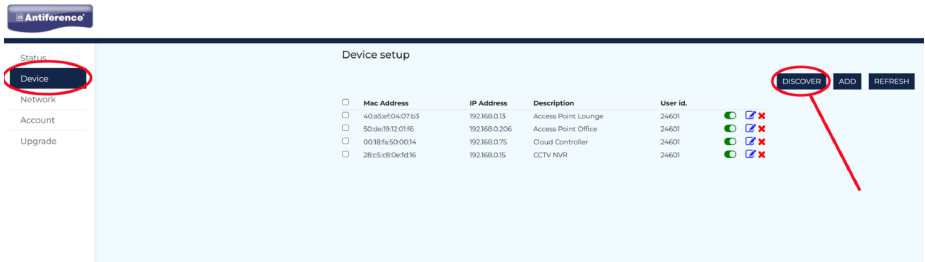


6. Device Setting

6.1. Discovery Tool

Click [DEVICE] in the main menu to add devices. Clear Flow access points can be found on the network automatically via the Discovery Tool. Ensure that any Clear Flow devices are connected to the network and powered up. Don't worry about their IP address at this stage as the Cloud Controller will find them via the Discovery and identify the IP addresses assigned by the host. Click [DISCOVER] to find the Clear Flow devices.

The page will populate with any Clear Flow devices found on the network.



Antiference

Status
Device
Network
Account
Upgrade

Device setup

Mac Address	IP Address	Description	User id.	
☐ 40:a5:ef:04:07:b3	192.168.0.13	Access Point Lounge	24601	🟢 🔗 ✖
☐ 50:a6:7b:12:08:b6	192.168.0.206	Access Point Office	24601	🟢 🔗 ✖
☐ 00:18:5a:59:00:14	192.168.0.75	Cloud Controller	24601	🟢 🔗 ✖
☐ 28:c5:eb:0e:f8:b6	192.168.0.15	CCTV NVR	24601	🟢 🔗 ✖

Discover Add Refresh

6. Device Setting (cont)

To edit the device click the [EDIT] icon.

DISCOVER ADD			
IP Address	Description	User id.	
192.168.0.13	Access Point Lounge	24601	
192.168.0.206	Access Point Office	24601	
192.168.0.75	Cloud Controller	24601	
192.168.0.15	CCTV NVR	24601	

The following pop-up will appear and the device can be named and User ID added etc. Click [SAVE] to exit.

✕ EDIT

Mac address :

40:a5:ef:04:07:b3

IP address :

192.168.0.13

Description :

Access Point Lounge

User id. :

24601

SAVE

6. Device Setting (cont)

6.2. Manually add a Device

Any network device with an on-board GUI can be connected and controlled via the Clear Flow Cloud. Click [ADD] in the Device menu and complete the details in the pop-up window. The MAC & IP address are required for this process so make sure you have identified them before you get started. This information could be on the device or a scan of the network to find them may be required.

Device setup

DISCOVER **ADD** REFRESH

Mac Address	IP Address	Description	User id.	
40:a5ef:04:07:b3	192.168.0.13	Access Point Lounge	24601	☒ ☒ ☒
50:de:19:12:01:f6	192.168.0.206	Access Point Office	24601	☒ ☒ ☒
00:18:fa:50:00:14	192.168.0.75	Cloud Controller	24601	☒ ☒ ☒
28:c5:c8:0e:fd:16	192.168.0.15	CCTV NVR	24601	☒ ☒ ☒



6. Device Setting (cont)

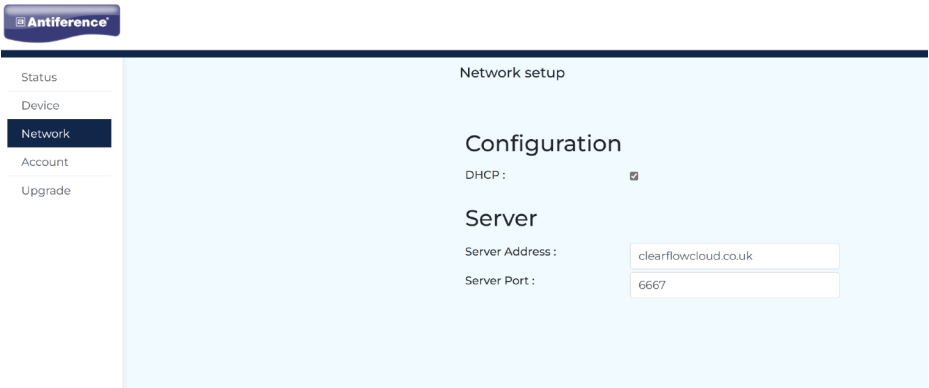
When the pop-up window appears, populate with the **MAC & IP** address of the device. Add the description and your **User ID** to be able to access the device via the portal. Click **[SAVE]** to exit.

✕ ADD

Mac address :	xxxxxxxxxxxxxx
IP address :	xxx.xxx.xxx.xxx
Description :	device description
User id. :	unique user identifier
SAVE	

7. Network Settings

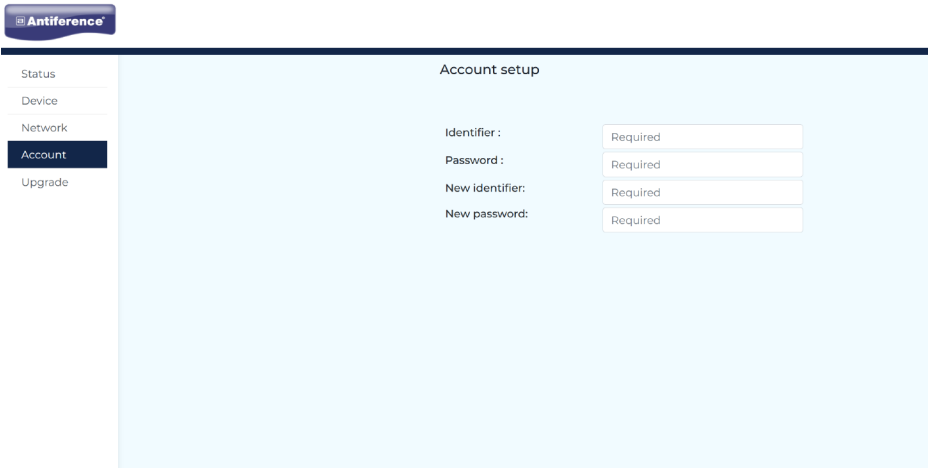
Click [NETWORK] in the main menu to access the network settings.
In this menu it is possible to change from DHCP mode to Static if required and adjust server settings. The default settings are shown in the window below and in normal use, should not be changed.



The screenshot shows the Antiference web interface. On the left is a sidebar menu with options: Status, Device, Network (highlighted), Account, and Upgrade. The main content area is titled 'Network setup' and contains a 'Configuration' section. In the 'Configuration' section, the 'DHCP' checkbox is checked. Below this is a 'Server' section with two input fields: 'Server Address' containing 'clearflowcloud.co.uk' and 'Server Port' containing '6667'.

8.Account Settings

Click [ACCOUNT] in the main menu to access the account settings.
This menu allows the user to change the default login details to the Clear Flow Cloud device. To change the login details, insert the default user name (identifier) and password and then add the new details to be used.



The screenshot shows the Antiference web interface. On the left is a vertical menu with options: Status, Device, Network, Account (highlighted in dark blue), and Upgrade. The main content area is titled 'Account setup' and contains four input fields with labels: 'Identifier:', 'Password:', 'New identifier:', and 'New password:'. Each label is followed by a text input box that has 'Required' written inside it, indicating that these fields are mandatory.

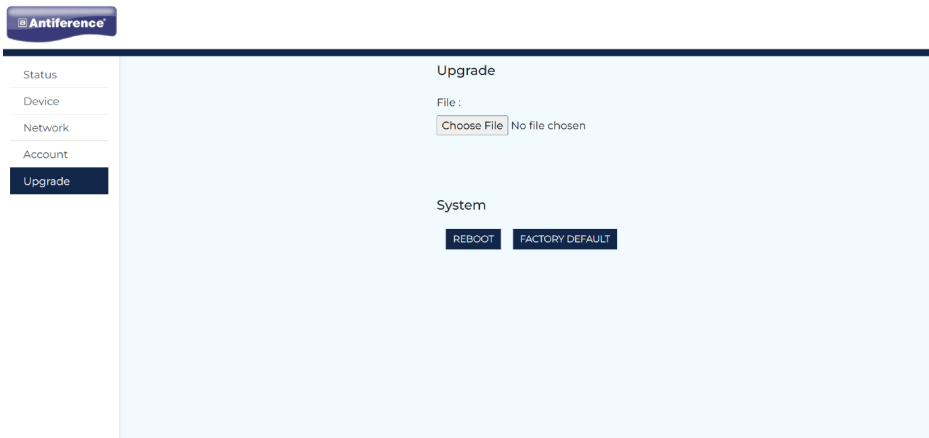
9. Upgrade & Re-boot Menu

Click [UPGRADE] in the main menu to access the upgrade settings.

To upgrade the firmware, click [CHOOSE FILE] and select file from your PC.

To re-boot the Clear Flow Cloud, click [REBOOT].

To restore factory settings, click [FACTORY DEFAULT].



10. The Clear Flow Cloud Portal

The Clear Flow Cloud portal can be found at www.clearflowcloud.co.uk. Using your User ID and password, log into the portal to see any installations or devices you have added your ID number to. Click on the job/site you wish to access



PORTAL
DISCONNECT

User 24601

Installation List

MAC Add.	Description
001BFA500014	Cherry_Tree_Lane

10.The Clear Flow Cloud Portal (cont)

Once you have accessed the required installation, the devices will be visible. Click on the device you wish to access such as a Clear Flow access point or bridge.



PORTAL
DISCONNECT

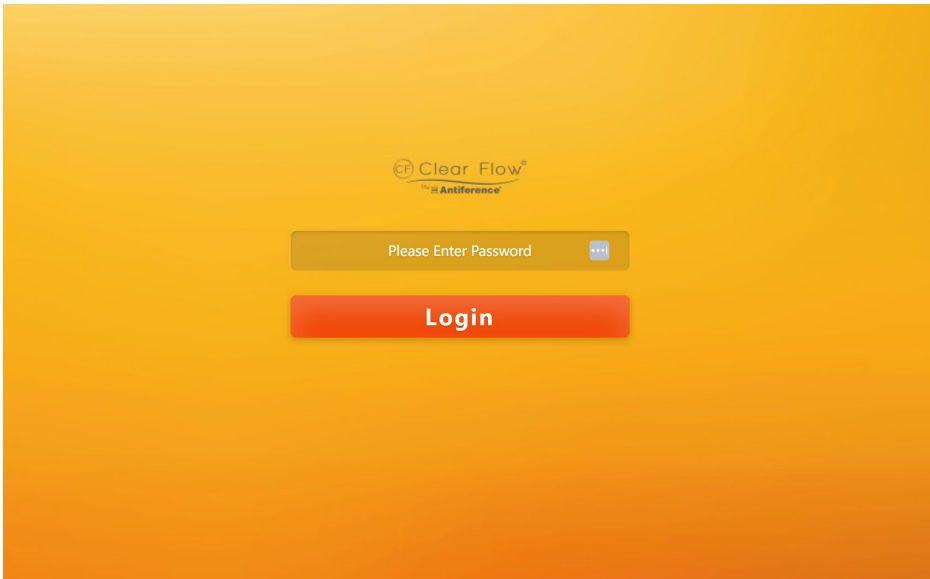
Device List

User 24601 - device 00:18:FA:50:00:14

MAC Add.	Description
40:AS:EF:04:07:B3	Access Point Lounge
50:DE:19:12:01:F6	Access Point Office
00:1B:FA:50:00:14	Cloud Controller
28:C5:C8:0E:FD:16	CCTV NVR

10. The Clear Flow Cloud Portal (cont)

The login screen on the GUI of the device will appear and you can log in as normal and adjust settings as required.



10.The Clear Flow Cloud Portal (cont)

To go back to the main menu, use the back button on your browser. To log off the portal, click [PORTAL DISCONNECT].



MAC Add.	Description
40:AS:EF:04:07:B3	Access Point Lounge
50:DE:19:12:01:F6	Access Point Office
00:1B:FA:50:00:14	Cloud Controller
28:C5:C8:0E:FD:16	CCTV NVR

11. Technical Specifications

CF-CLOUD	
Hardware	
Ethernet Port	10/100/1000Mb. Auto negotiation.
CPU	ARM9/800MHz
Memory	128MB RAM - 8Mb Flash Memory
USB Interface	USB 2.0 max 500mA
LED Indicator	Red/Red - No Ethernet or IP configuration problem
	Green/Red - Ethernet OK - Server not connected
	Green/Green - Server connection OK
Power Consumption	300mA
Power Adaptor	5V 2A UK plug
Dimensions	60mm x 80mm x 30mm (LxWxH)
Weight	161g
Working Environment	Working Temperature: -10°C~55°C;
	Storage Temperature: -40°C~70°C;
	Operation Humidity: 10%~90%RH Non-condensing ;
	Storage Humidity: 5%~90%RH Non-condensing
Cloud Portal	
Discovery Tool	Clear Flow Wireless Devices Only
Network Configuration	Yes
Manual Add Function	Yes
Edit Device Alias	Yes
Server	Secure external portal server
Max no. Cloud Connected Devices	1000
Max no. Concurrent Connected Users	1000
Max no. Users	Unlimited

12. Declaration of Conformity

***If you require assistance with this product please contact
support@antiference.co.uk***

Declaration of Conformity

We, ANTIFERENCE LIMITED herewith declare that the CLEAR FLOW Wireless network products comply with all essential requirements and other applicable conditions set forth on directive 1999/05/CE.

According to the WEEE (Waste Electrical and Electrical Equipment) EU Directive, do not dispose of this product as household waste or commercial waste. Waste Electronic Equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product

