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call 01837 810 590

Wireless Base Station - Quick Start Guide

Setting up the Base Station using an Android phone

Use this guide if you need to connect your base station to a new Wifi network.

Step 1: Connect the power supply to the base station



Solid green light indicates that the power is connected.

Flashing blue and orange lights indicate that the base station is ready to be set up.

If you have a base station that has been set up previously, but now needs to be connected to a different Wifi network, you will need to reset the base station by holding the 'match/reset' button on the back of the unit for at least 30 seconds.

Step 2: Download the base station App on your Android phone

Turn your mobile phone to "Airplane mode" to disable your mobile network connection. Next, turn on the Wifi on your phone and ensure that you are connected to the same Wifi network that the base station will be connecting to.

Go to: <https://www.frequencyprecision.com/pages/mobile-software>

Download and install the App "IoTStation"

Step 3: Adding the base station

Open the "IoTStation" App

Click "Add Brand New Station":



Click "NEXT:SELECT IOTSTATION"



Select the IoT station that appears in the list

Click "NEXT:INPUT IOTSTATION PASSWORD"



Enter a password for your IOT station (e.g. 1234567).

You must remember the password if you need to add the base station to additional mobile phones.



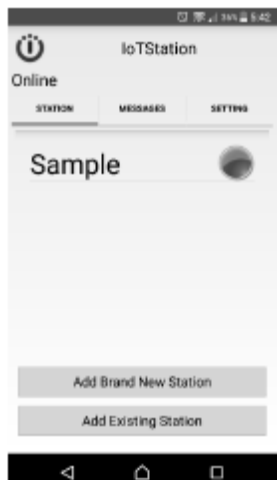
Click "SAVE, NEXT:CONNECT TO WIFI"

Enter your Wifi password

Click "CONNECT TO INTERNET"



After successfully setting the base station, you should see a new base station added:



A green circle next to the name indicates that your phone is connected to the base station.

You can now turn Airplane mode off. The app will work using your mobile data connection or any connected Wifi network.

Step 4: Connecting your wireless sensor to the Base Station

Press black 'match/reset' button on back on base station for 2 seconds

Orange light will flash on front of base station

Activate your sensor or call button within 20 seconds

The orange light will go out.

Step 5: Test the system

Activate the sensor or call button.

You will see an orange light blink on the base station, to indicate that it has received the message.

You will then receive an alert notification on your mobile phone.

Please call us on 01837 810 590 if you require any help to set up your device.

Base station specifications

P-900 IoT Stations Specification	
General	
Operation temperature	-25°C ~ 70°C
Power Supply	DC 12V 0.5-2A
Case size:	80(L) x 70(W) 27(H) mm
Weight:	220g without AC adapter.

Wi-Fi Section	
Wi-Fi Standard	802.11 b/g/n
Network Mode	AP / Station
Transmission Rate	802.11b: 11Mbps 802.11g: 54Mbps 802.11n: 54Mbps
Transmitter Power	17.0 dbm @ 1 DSSS 17.25 dbm @ 11CCK 13.5 dbm @ 54 OFDM
Receiver Sensitivity	-94 dbm @ 1DSSS -87 dbm @ 11 CCK -73 dbm @ 54 OFDM
Frequency	2.412 - 2.484 GHz
Security Mechanism	Security: WEP-A/WPA-PSK/WPA2-PSK Encryption: WEP64/WEP128/TKIP/AES
Antenna	Internal on-board antenna

Sub 1 GHz POCSAG Section	
Data Format	POCSAG CCIR #1
Frequency	138-174MHz 430-470MHz 868-915MHz
Modulation	2FSK NRZ
Data Rate	512 bps/1200bps/2400bps
Receiver Sensitivity	-115dbm via loop antenna at 138-174MHz -113dbm via loop antenna at 430-450MHz -105dbm via loop antenna at 868-915MHz
Antenna	Internal Loop antenna

Safety Remember, daily system tests should be carried out to ensure correction function of the unit. Usage should be incorporated within safety manuals and procedures. Range tests should be carried out at least once a week, more often if critical criteria apply. This should involve testing the unit past its required range. If the unit has been dropped or is worn by a person involved in an accident the unit should be tested again before re-use.

Liability Frequency Precision does not accept any liability for any damage or injury, howsoever caused as a result of the misuse of this equipment. It is the responsibility of the user to ensure that the equipment is operated in the manner for which it was intended and that it is the correct item of equipment for the required task. All systems can fail, and it is the responsibility of the user to carry out regular tests and to determine the suitability of this equipment for any application.

Repair and replacement Frequency Precision will refund payment for any unit returned within 30 days of purchase as unsuitable for the intended purpose. Un-damaged units will be repaired free of charge within the first 12 months.

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Disposal At the end of the working life of the product it must not be disposed of with household waste but returned to Frequency Precision Ltd or disposed of at a collection point for the recycling of electrical and electronic equipment.