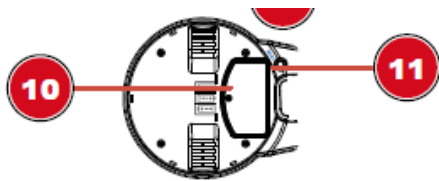# How to set up the Bresser Colour Wi-Fi Weather Station with 5in1 Multi-Sensor

1. First establish communication between the Multi-sensor & the Base station. The Base station & Multi-sensor should be close together.
   On the Base station. Fit the CR2032 coin cell in the battery compartment & connect the mains supply.
   On the Multi-sensor. Connect the batteries in the battery compartment & then press the Reset button. The LED should start to flash.
   See diagram below.
   The outside data should start to appear on the Base station screen, after a few minutes.

2. Install the Multi-Sensor in accordance with the booklet.

3. Open a Weather Underground or Weathercloud account. Make a note of the ID & Key.
   See picture below.

ID	Key	Type
IARUND7	4VbZRVbk	PWS

Take a note of your Wi-Fi router's name and password and security protocol (WPA, WPA2 etc.).

4. The Base station should be in AP mode (AP flashing at the bottom of the screen. If the base station isn't in AP mode. Press & hold the Wi-Fi button, for about 5-6 seconds, on the back of the Base station. AP should start to flash.

5. Once your device is connected to the PWS Wi-Fi signal, use a regular web browser to access the web address http: //192.168.1.1 – this will allow you enter the details of your Wi-Fi router's login details to get the base station talking to the internet, via the router. The Pro Weather Link page (pictured at the bottom of these instructions, below) should come up automatically once you've entered the http: //192.168.1.1 address to your browser and pressed enter.

6. On the Pro Weather Link page, underneath WIFI router setup, you will find the 'Search' button. Sometimes, your router is automatically found, and its name entered into the Router box next to the Search button. If it's not there, click the search button and the base station will start looking for local Wi-Fi networks. This can take up to 10 minutes to achieve, so stick with it. If your router is still not found, you can add it manually, using the 'Add Router' button underneath the 'Search' button and entering the name of your router/Wi-Fi network in the box next to it.

7. Security type – the 'Security type 'box is found under the Router name box. Most modern routers use the WAP2 protocol, which the setup defaults to, but if you're having trouble connecting, it's worth checking the type of security set on your router, as this may be different to WAP2. If it is, change to the correct security type by clicking the drop-down arrow next to the Security type box (the different protocols should be listed if you do this).

8. Router Password Box – underneath the 'Security type' box is the password box. Here you will enter the password to our home or office router, to make sure it can make connection. You will see a series of ***** symbols underneath the password box, corresponding to the number of characters in your password.

9. Weather server setup. If you haven't created a Wundergroud or Weathercloud account, untick both boxes next to the respective names. If you have already created a Wundergroud or Weathercloud account, here is where you would enter the station ID and password that have been assigned to your online account by either service (untick the one you're not using, though you can run both services at the same time). Once this has been achieved successfully, the real time information from the external sensor can be passed to these services via the base station's Wi-Fi link to your router and the outside internet.

10. MAC Address – this shows the standard MAC (Media Access Control) address of the Base Station – you won't need to change this.

11. Time Server Setup – this is very important if you want to access local UK time signals on your base station. You will need to set this up correctly for the base station to receive UK time. This is especially important if you want to get the clock on the base station synchronized automatically to UK time (this can be set manually if you wish though, see manual for details). If you click the down arrow to the right of the 'Server URL' box, find your local time server (nist.time.gov - is the one we pick).

12. Once you are confident all if this information is correct hit the 'Apply' grey button at the bottom of the screen.

Pro Weather Link Page.

Select 'SETUP' to enter settings menu	Select 'ADVANCED' to enter advanced settings menu
Select 'Search' to search for a router	Select desired WI-FI router
Select 'Add Router' to add a router manually**	If router is not listed, enter SSID manually
	Select security type of the router (normally WAP2)
Password record (if a password was entered)	Enter password of the Router (leave field blank if no password has been assigned)
	Check to comfirm upload to Weather underground*
ID record (if an ID was entered)	Enter 'Station ID' registered at Wunderground*
Key record (if a key was entered)	Enter 'Station Key' registered at Wunderground*
	Check to comfirm upload to Weathercloud*
ID record (if an ID was entered)	Enter 'Station ID' registered at Weathercloud*
Key record (if a key was entered)	Enter 'Station Key' registered at Weathercloud*
	Select time server
	Click to confirm entries

Pro Weather Link

Language: English

SETUP   ADVANCED

WiFi Router setup

Search   Router: ROUTER_A

Add Router

Security type: WAP2

Router Password: ******

Weather server setup

Wunderground ☑

Station ID: WDw124

Station key: ******

Weathercloud ☑

Station ID: PACIR23We

Station key: ******

Mac address   00:0E:C6:00:07:10

Time server setup

Server URL: nistJime.gov

Apply

SETUP page

*Leave field blank if registration is not yet available and entries are to be made later.
**Manual setup requires additional router information (including e.g. IP address, SSID, etc)