CHESNEY'S

Configuration of EFB1200 with Wi-Fi and Smart Home System manual

1. CONFIGURATION WITH WIFI AND SMARTPHONE

For a configured appliance the following functions are available:

- Turn on the appliance (if READY message is on display).
- Turn off the appliance (if COOLING THE DEVICE or READY message is on display)
- Increase or lower the flame height of the appliance during use.
- Turn on/off the 'LOCK THE DEVICE' function (Customer's Menu, point 1).
- Select the appliance if more than one appliance has been installed.
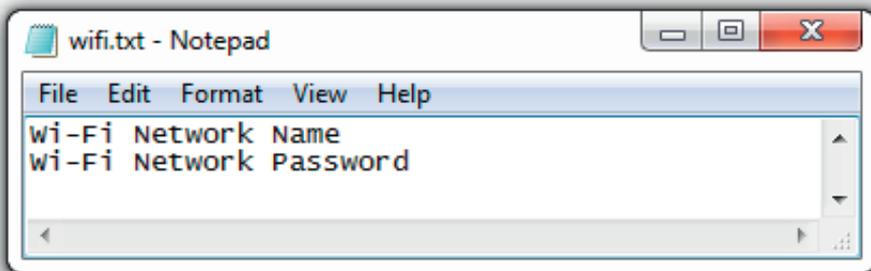
To configure the appliance with Wi-Fi:

Ensure that the Wi-Fi network is of 802.11 b/g/n standard and it operates the encryption of WPA/WPA2 PSK.

If the Wi-Fi network does not fulfil the above mentioned requirements it will have to be adjusted in order for configuration to take place.

If Wi-Fi network is ready, prepare the formatted USB flash drive. Create a text file on a USB flash drive with the name 'wifi' and 'txt' extension.
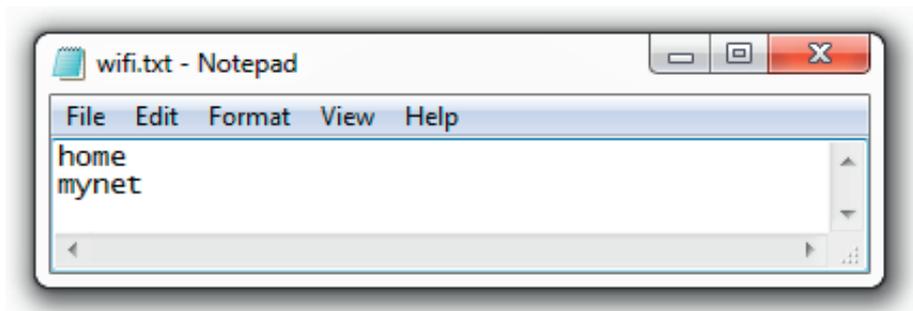
wifi

Save the name of the network and password in the file in the following format:

```
wifi.txt - Notepad
File  Edit  Format  View  Help
Wi-Fi Network Name
Wi-Fi Network Password
```

Instead of 'Wi-Fi Network Name' - enter the name of the network, e.g. 'home'.
Wi-Fi Network Password - password to the network, e.g. 'mynet'.

Example:

Make sure that the appliance is disconnected from the mains then insert the USB flash drive to USB port on the side part of the product.

USB PORT

Connect the appliance to the mains and wait a minimum of 5 minutes.
The USB flash drive may be disconnected and the product may be turned on with the ⏻ button.

Hold '+' for 8 seconds and 'Customer's menu' will appear [p.10 in the User's manual]. Press '+' to go to point 4 'Device IP' and confirm by pressing '-'.

The products IP needed for the operation via the configured appliance will be visible then. The correct IP format is: 192.168.XXX.XXX
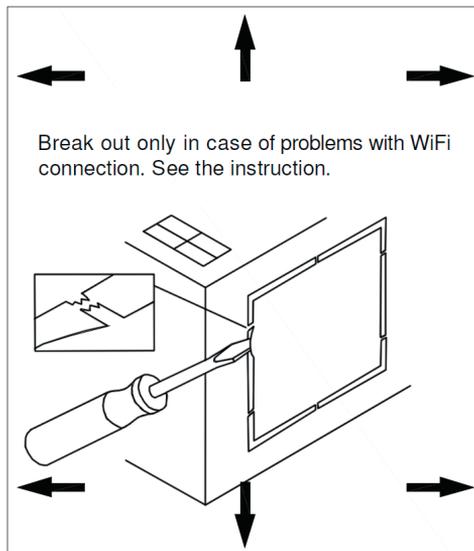
The assigned IP address is a dynamic address and is subject to change in the event of a change in the network settings.

It may happen that the displayed IP is incorrect. In such a case follow the instructions below:

0.0.0.1	No communication with the module at all	It is normal during the initialization of the product. If it does not disappear after several minutes after turning on the appliance, begin to format the USB flash drive again.
0.0.0.2*	No connection with the network (wrong data / IP is busy / no network)	Follow the procedure of giving the network parameters once more - install the USB flash drive again.
0.0.0.3	Text mode - jumper was not downloaded	Follow the procedure of giving the network parameters once more - install the USB flash drive again. Call SERVICE
127.0.0.1	No connection with the network (wrong data / IP is busy / no network)	Follow the procedure of giving the network parameters once more - install the USB flash drive again.

* In case of problems connecting to the fireplace via user's WiFi network (error no. 0.0.0.2) due to low network signal:

- remove the seal located in the front of the appliance indicated with a sticker

Break out only in case of problems with WiFi connection. See the instruction.

- cut the band that is clipping the cable
- take out the cable with the WiFi transceiver at its end
- repeat the connection procedure

NOTE:
The cause of failure to configure can be ascertained by reading the file 'wifi.txt'.

Network parameters changed	The change of all the network parameters was successful
Error 0x01	Interfaces error (call service)
Data changed successfully	The change of network password network name was successful
Incorrect data format	Data incorrectly entered into the file (save data again on the USB flash drive, if it does not work, format the USB flash drive or use a different one)

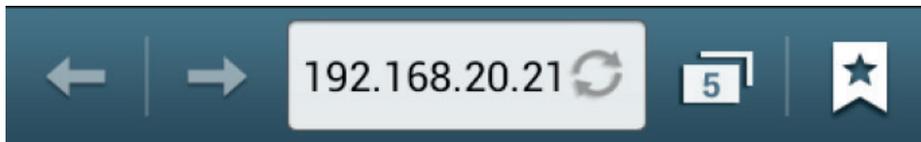If the displayed IP number is the correct one, save it.

The mobile appliance should be connected to the configured Wi-Fi network. The operation of the appliance via the website has been tested with the following browsers:

Windows: Opera, Firefox, Chrome, IE min11
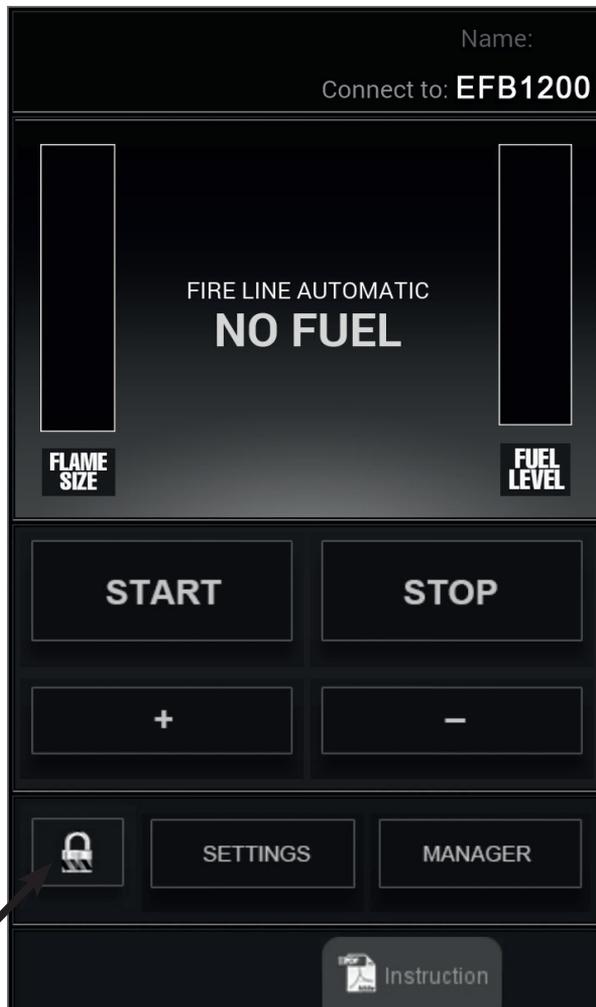Android: Firefox, Chrome, Opera Browser, Opera Classic, Safari
Apple: Safari, Chrome

In the address bar enter the saved IP address and download the webpage.
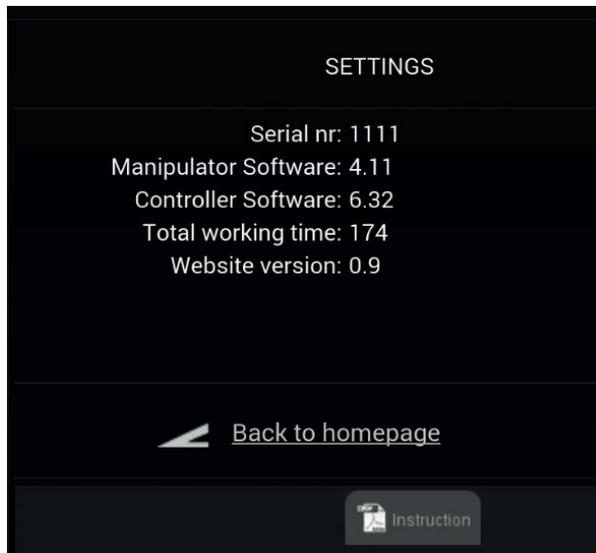
The display will appear on the device:

Appliances can be individually named so that specific appliances can be selected where more than one has been installed.

Name:

Connect to: **EFB1200**

FIRE LINE AUTOMATIC
NO FUEL

FLAME SIZE

FUEL LEVEL

START **STOP**

+ **−**
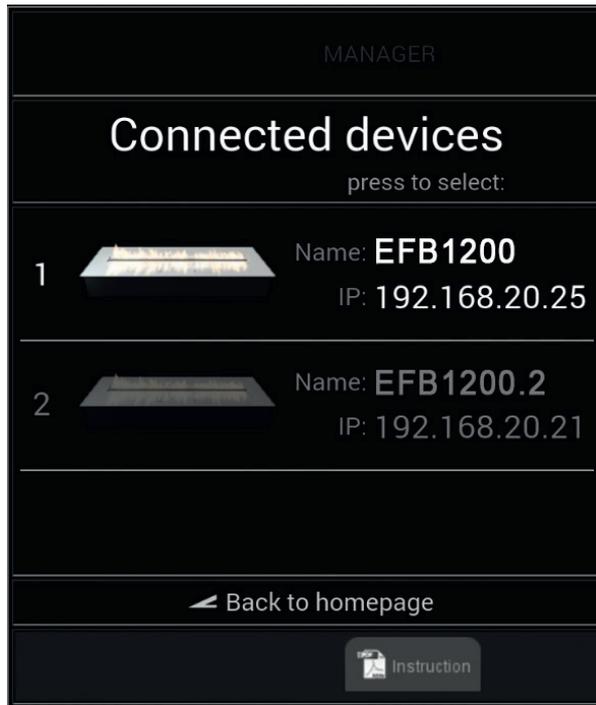
SETTINGS MANAGER

Instruction

Activates 'LOCK THE DEVICE' function (see: User's Manual, III. Customer's Menu, 1.)

Using the **SETTINGS** function it is possible to determine:

- Serial number
- Display and microprocessor's program version
- Total time of appliance operation
- Website version

Using **MANAGER** function it is possible to control an unlimited number of configured appliances.

NOTE:

In order to successfully operate the appliance it is essential that the user is familiar with the User's manual and that the appliance has been installed in accordance with the instructions contained in the Installation manual.
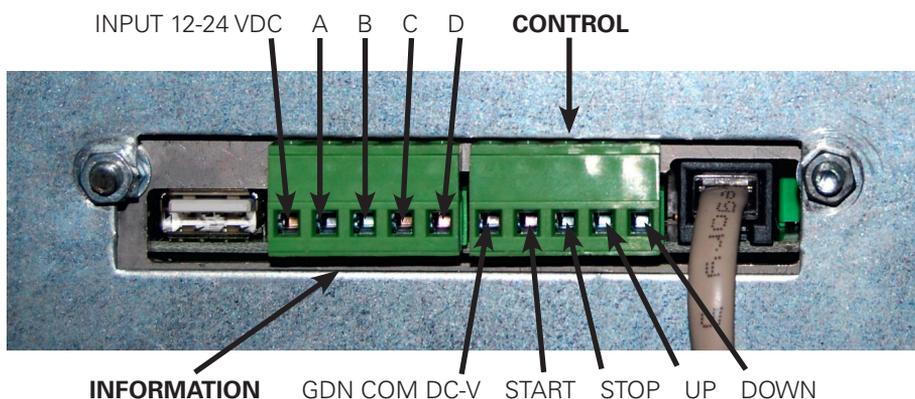
2. SMART HOME SYSTEM CONNECTION

When the Smart Home System driver is installed, it can be used to:

- Turn on the appliance (if READY message is on display).
- Turn off the appliance (if COOLING THE DEVICE or READY message is on display)
- Increase or lower the flame height of the appliance during use.

The following appliance modes can be seen the Smart Home System control panel:

- ready to start (message READY)
- working (message WORKING)
- lack of fuel (message NO FUEL)
- waiting (message WAITING or COOLING THE DEVICE)
- ERROR

Description of Smart Home System ports:

INPUT 12-24 VDC   A   B   C   D   **CONTROL**

INFORMATION   GDN COM DC-V   START   STOP   UP   DOWN

Description of electrical connectors:

GND - COM DC -V

START - 12 DC +V input initializing the appliance, signal as an impulse lasting 100ms up to 1s.

STOP - 12 DC+V input turning off the appliance, signal as an impulse lasting 100ms up to 1s.

UP - 12 DC +V input increasing the flame, signal as an impulse lasting 100ms up to 1s.

DOWN - 12 DC+V input decreasing the flame, signal as an impulse lasting 100ms up to 1s.

A-READY - transmitter output signalling that the appliance is ready.

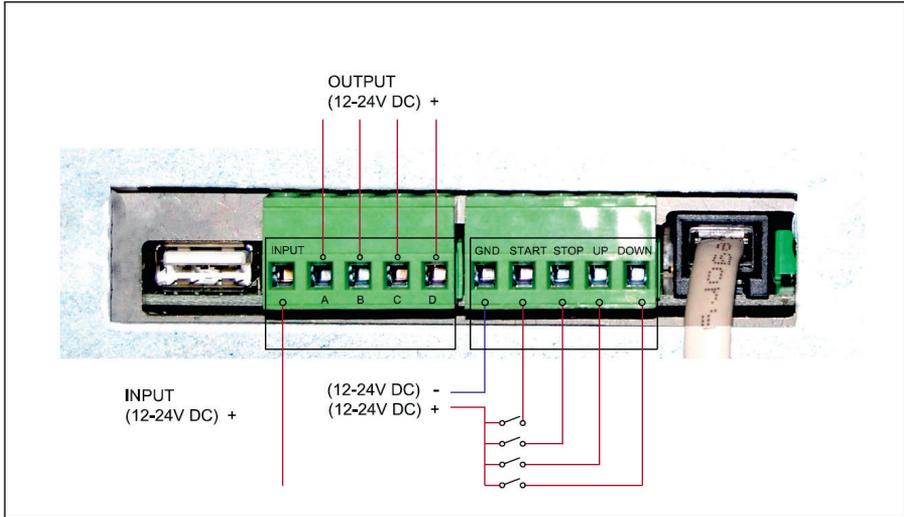**B-WORKING** - transmitter output signalling that the appliance is working.

C-FUEL - transmitter output signalling lack of fuel.

C-FUEL - transmitter output signalling error/other.

A+B - transmitter output.

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All the ports have been adjusted to work within direct current voltage of 12V-24V. Higher voltage requires the use of an additional limiter installed on the module's port.

More than one appliance can be controlled simultaneously. In order to do so, it is essential to divide the signal, using one for each appliance.

Description:

Input - voltage port 12V-24V of the direct current.

Output - voltage port 12V-24V of the direct current depending on the mode of the appliance.

The following chart shows mode ports where signals will appear depending on the mode of the appliance. See illustration on p.6 for alphabetically referenced ports.

1 - port with signal
0 - port without signal

MODE	A	B	C	D
READY	1	0	0	0
WORKING	0	1	0	0
FUEL	0	0	1	0
ERROR	0	0	0	1
WAIT/COOLING	1	1	0	0

MODE OF OPERATION.

Following connection in accordance with the foregoing instructions, control of the appliance takes place via the emission of single and short electrical impulses (lasting from 100ms to 1s) to the electrical connectors. A single impulse directed to the START port turns on the appliance (when stand-by mode is activated manually with the ⏻ button).

A single impulse directed to the STOP port switches the appliance into stand-by mode.

A single impulse directed to the UP port increases flame size by one level.

A single impulse directed to the DOWN port decreases flame size by one level.

Electrical connector READY indicates that the appliance is ready to start.

Electrical connector WORKING indicates that the appliance is working. Disappearance of the signal will occur when there is a lack of fuel or the product is turned off.

Electrical connector FUEL indicates lack of fuel.

Electrical connector ERROR indicates product error. Further information will be shown on the display panel.

Electrical connector READY + WORKING indicates initialization or cooling of the appliance.