

Instruction Sheet

Subject: Frymaster Wireless Datalink Configuration Setup Instructions

Models affected: FQ Fryers with FQ4000 controllers

Follow these instructions to configure the Datalink remote communication board for wireless communications.

NOTE: For proper function, an open port with constant access to the internet is required. The access must be continuous and should not be set to automatically reset.

1. On the initial installation, the service tech will have to configure the parameters listed in the config_settings.ini file on the USB drive by opening the file with Notepad++ utility available in Microsoft PC based machine. Right click on the file and Open with Notepad to edit the file (see Figure 1).
2. Enter the parameters listed below. The model number and serial number of the fryer can be located on the inside of the far-left door of the fryer on the rating plate.
3. Below are the parameters listed in this file. Some of the parameters are **case sensitive**; enter these parameters **exactly** as they are displayed.

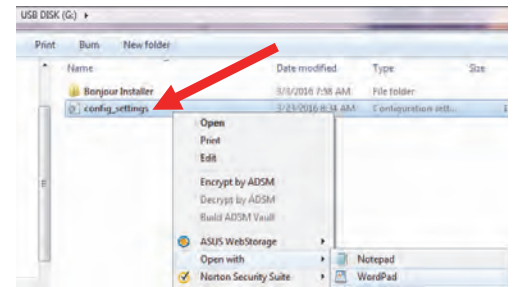


Figure 1

```
[Network]
DEVICE TYPE=XXXX(it should be GAS or ELECTRIC)
STOREID=XXXX(Store Number Max 15 char)
EQUIPID=XXXX (equipment Serial number Max 15 char)
DHCP=YES
NUMBER OF UI=XXXX(Total number of Frypots Max 6 .Example for 4 FryPots)
UI1TYPE=XXXX(FULL or SPLIT)
UI2TYPE=XXXX(FULL or SPLIT)
UI3TYPE=XXXX(FULL or SPLIT)
UI4TYPE=XXXX(FULL or SPLIT)
SSID=XXXX(SSID OF THE Wi-Fi network)
SSIDTYPE=
TYPE=XXXX(WPA-PSK or NONE)
PASSWORD=XXXX(SSID Password)
```

4. Click on File and Save or Save the modified file on a blank USB drive that is formatted with FAT32 (see Figure 2).
5. Click on Eject USB Flash Disk (see Figure 3).
6. Remove USB drive from computer.
7. Locate the Datalink USB connection on the right side of the FIB box or under the rear right side of the fryer (see Figure 4).
8. Unscrew the USB port cover (see Figure 5).
9. Insert the USB drive into the communication port (see Figure 6) for two (2) minutes.
10. After two (2) minutes, remove the USB drive; reattach the USB cover and power cycle the fryer.
11. After the fryer has completely power cycled, proceed to the next step to confirm the Datalink Gateway software version.
12. At the home startup screen press the HOME button (see Figure 7).
13. Press the "?" button (see Figure 8).
14. Press the down arrow button (see Figure 9).
15. Press the software version button (see Figure 10).
16. Press the down arrow two (2) times (see Figure 11).

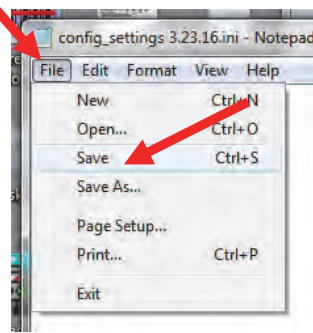


Figure 2

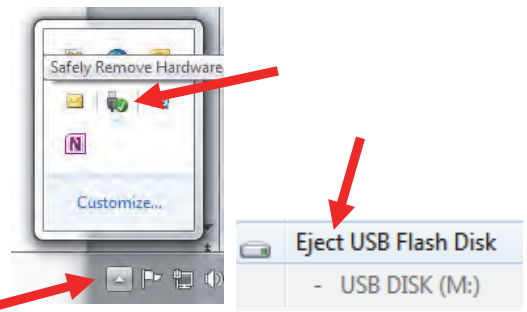


Figure 3



Figure 4



Figure 5



Figure 6



Figure 7

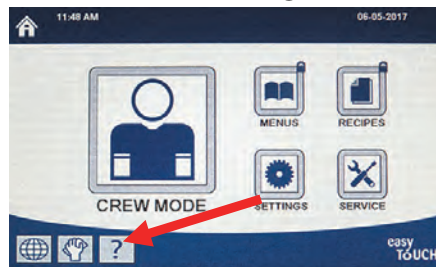


Figure 8

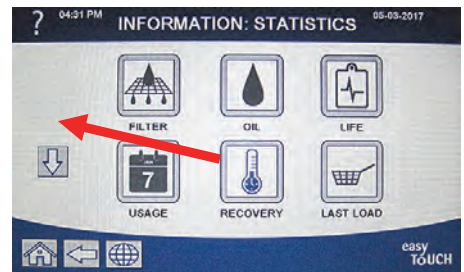


Figure 9

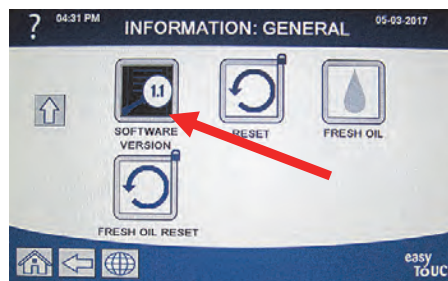


Figure 10

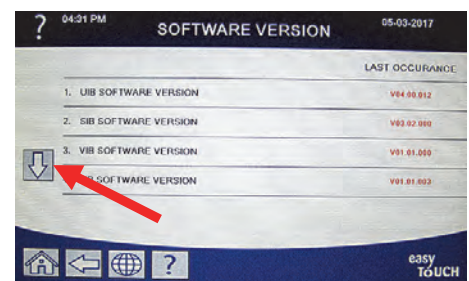
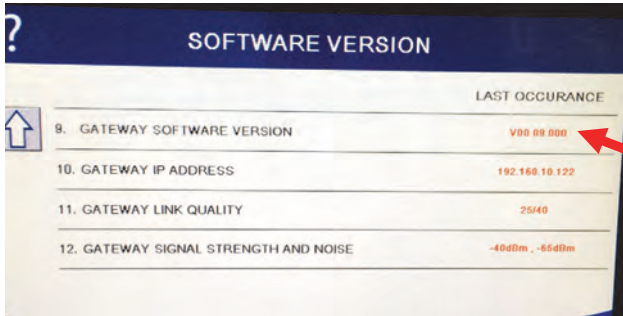


Figure 11

17. The gateway software version and other information is shown (see Figure 12).



	LAST OCCURANCE
9. GATEWAY SOFTWARE VERSION	000 00 000
10. GATEWAY IP ADDRESS	192.168.10.122
11. GATEWAY LINK QUALITY	25/40
12. GATEWAY SIGNAL STRENGTH AND NOISE	-40dbm , -65dbm

Figure 12

Debugging steps

- If the controller displays the software version then CAN bus cable is connected and working. If the software version is all zeros (0), the Gateway is not connected or terminated. Otherwise, service person will have to check CAN bus wiring and ensure that wiring is OK and there is CAN bus termination.
- The first number on gateway link quality (refer to Figure 12 and item #11(Gateway Link Quality) which is shown at 25/40) is the difference between received signal strength and background noise level. This number is called SNR.
- Gateway signal strength and noise (refer to Figure 12 and item #12). Signal strength from -20 dbm to -65 dbm is good connection. Noise level should be below -70 dbm to -95dbm
- If the IP address is not being displayed but the link quality and signal strength are good then the store router has an issue. It is not providing IP address to FilterQuick-T SUI or SUI's configuration file needs to be checked against stores Wi-Fi setting.

SUI board software upgrade process

- Format a USB drive in FAT32 format. Place SUI software files (file name is fq4000.tar.gz) on the USB drive. Take this USB drive to the store that has FilterQuick Touch fryer.
- Insert USB drive that has the fq4000.tar.gz file in SUI. SUI will read USB and reboot itself. Wait two (2) minutes for the file to load.
- Remove USB drive. SUI gateway software will be upgraded. Software version can be confirmed via the steps listed above.

SUI board configuration

- Format a USB drive in FAT32 format. Place SUI modified configuration file (file name is config_setting.ini) on the USB drive. Take this USB drive to the store that has FilterQuick-T fryer.
- Insert USB drive that has config_setting.ini file in SUI. SUI will read USB and reboot itself. Wait two (2) minutes for the file to load.
- Remove the USB drive. SUI board should have the latest configuration.