

eMaster

Quick Start Guide

A	Network Setup	
	<i>Choosing the right network type</i>	P. 2
	1. Wireless Network	P. 3
	2. Wired Network: DHCP	P. 5
	3. Wired Network: Static	P. 6
	4. Wired Direct Connection	P. 7
	5. Access Point	P. 8
B	Connect to eMaster	P. 9

A) Network Setup

Choosing the right network type

eMaster can connect to your network in 3 different ways. If you don't have a network, you can also connect to it directly using a computer and an ethernet cable or the eMaster can act as your wireless access point. Which method is right for you?



Tip: You can use **any web-enabled device** to control your kiln, as long as it's on the same network as your eMaster: smart phone, tablet, netbook, laptop, or desktop computer.

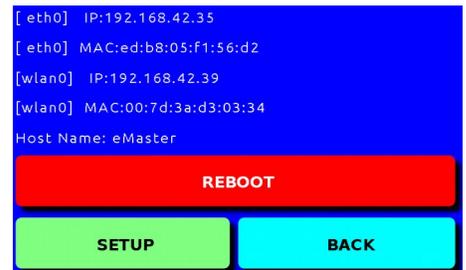
Network Type	Scenario
Wireless Page 3	<ul style="list-style-type: none"> • I already have a wireless network • I know the name of my wireless network and its password, OR I have a system administrator to help me • My device(s) can also connect to the wireless network
Wired – DHCP Page 5	<ul style="list-style-type: none"> • I already have a wired network • I'm not too familiar with my network • My device(s) can also connect to the wired network
Wired – Static Page 6	<ul style="list-style-type: none"> • I already have a wired network • I'm very familiar with my network, OR I have a system administrator to help me • My device(s) can also connect to the wired network
Wired Direct Connection Page 7	<ul style="list-style-type: none"> • I don't have a network, OR the device I want to use can't connect to my network • My device: <ul style="list-style-type: none"> ○ Is portable, or is near my kiln ○ Has a LAN/Ethernet port
Access Point Page 8	<ul style="list-style-type: none"> • I don't have a network, OR the device I want to use can't connect to my network • I want the eMaster to act as a wireless internet router

1) Wireless Network Setup Instructions

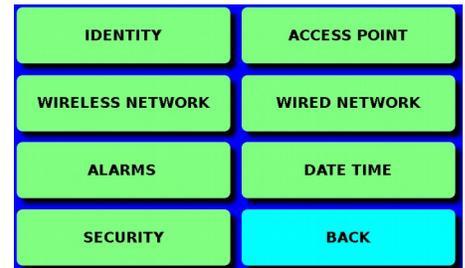
1. On the eMaster main screen, tap **SYSTEM**.



2. From the **SYSTEM** menu, tap **SETUP**.



3. From the **SETUP** menu, tap **WIRELESS NETWORK**.



4. Tap the field to the right of **SSID**.



5. Using the ▲ and ▼ select the your wireless network.
6. Tap **SELECT**.



7. Tap the field to the right of **PASSWORD**.
8. Enter the wireless networks password, then tap the .
9. Then tap **SAVE**.
10. When asked **SAVE NETWORK SETTING**, tap **YES**.



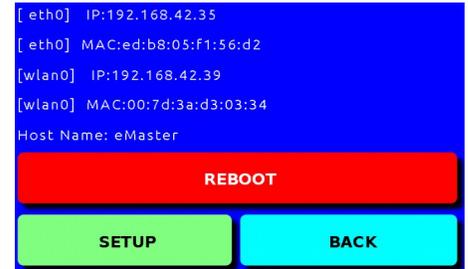
WIRELESS SETUP

SSID myWifi

PASSWORD don'tforgetthis1

SAVE BACK

11. You will be returned to the main screen. Tap **SYSTEM**.
12. From the **SYSTEM** menu, tap **REBOOT**.
13. When asked **ARE YOU SURE YOU WANT TO REBOOT**, tap **YES**.



[eth0] IP:192.168.42.35

[eth0] MAC:ed:b8:05:f1:56:d2

[wlan0] IP:192.168.42.39

[wlan0] MAC:00:7d:3a:d3:03:34

Host Name: eMaster

REBOOT

SETUP BACK



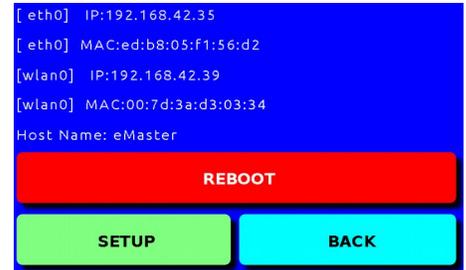
Tip: Changes to your network settings do not take effect until eMaster reboots. You can choose to make other changes before rebooting.

2) Wired Network Setup - DHCP Instructions

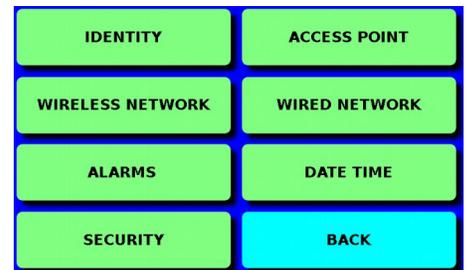
1. **Plug eMaster into your network** using the LAN/Ethernet port.
2. On the eMaster main screen, tap **SYSTEM**.



3. From the **SYSTEM** menu, tap **SETUP**.



4. From the SETUP menu, tap **WIRED NETWORK**.

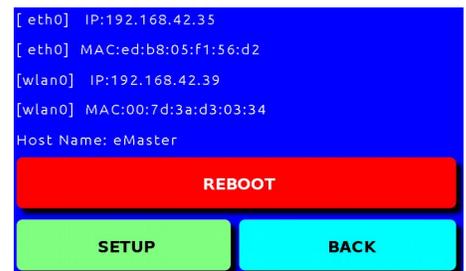
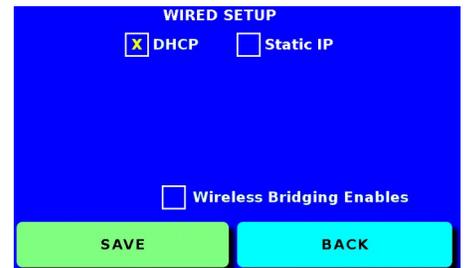


5. Make sure the **box** next to **DHCP** is marked with an **X**. If it is blank, tap the box to check it.
6. Tap the field to the right of **Hostname**.
7. Enter a **short, specific name** to identify this kiln on your network, then tap the **enter key**.



Tip: If you have multiple kilns with eMaster control systems, make sure each kiln has a unique name. Consider a consistent naming convention.

8. When asked to **SAVE Hostname**, tap **YES**.
9. Tap **SAVE**.
10. When asked to **SAVE THE WIRED NETWORK SETTINGS**, tap **YES**.
11. You will be returned to the main screen. Tap **SYSTEM**.
12. From the **SYSTEM** menu, tap **REBOOT**.
13. When asked **ARE YOU SURE YOU WANT TO REBOOT**, tap **YES**.



Tip: Changes to your network settings do not take effect until eMaster reboots. You can choose to make other changes before rebooting.

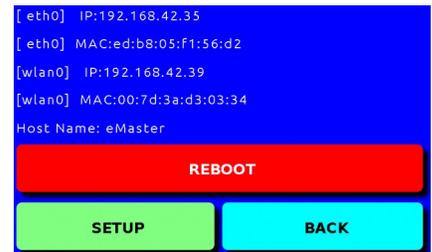
3) Wired Network Setup - Static Instructions

Tip: If your network is managed by someone else, like a network administrator, ask that person to provide you with the following information before you begin: a **static IP address** for your kiln, the network's **subnet mask**, and the network's **gateway IP address**.

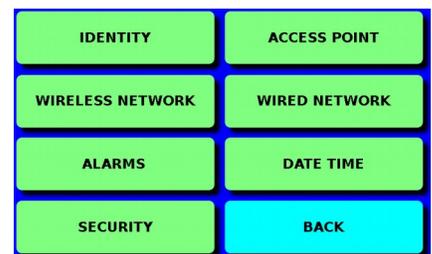
1. **Plug eMaster into your network** using the LAN/Ethernet port.
2. On the eMaster main screen, tap **SYSTEM**.



3. From the **SYSTEM** menu, tap **SETUP**.



4. Tap **WIRED NETWORK SETUP**.



5. Make sure the **box** next to **Static IP** is marked with an **X**. If it is blank, tap the box to check it.
6. Tap the **field** to the right of **IP ADDRESS**.
7. Enter the **static IP address** for eMaster, then tap .
8. Tap the field to the right of **NETMASK**.
9. Enter the **subnet mask** for eMaster, then tap .
10. Tap the field to the right of **GATEWAY**.



11. Enter the **gateway IP address** for eMaster, then tap .
12. Tap **SAVE**.
13. When asked to **SAVE THE WIRED NETWORK SETTINGS**, tap **YES**.
14. You will be returned to the main screen. Tap **SYSTEM**.
15. From the **SYSTEM** menu, tap **REBOOT**.



When asked **ARE YOU SURE YOU WANT TO REBOOT**, tap **YES**.



Tip: Changes to your network settings do not take effect until eMaster reboots. You can choose to make other changes before rebooting.

4) Wired Direct Connection Setup Instructions

You can connect to eMaster directly by plugging an Ethernet cable in between eMaster and your desktop or laptop computer. To do this, **follow the instructions in [Section 3](#) for a Wired Network - Static connection** using the following information:

Static IP Address:	169.254.0.2
Subnet Mask:	255.255.0.0
Gateway IP Address:	169.254.0.1



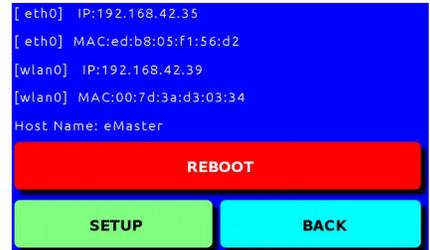
Tip: This method relies on your laptop or desktop computer's local addressing capability. If you're unable to connect to eMaster after taking these steps, it is possible that your computer uses a different setting.

5) Access Point Setup Instructions

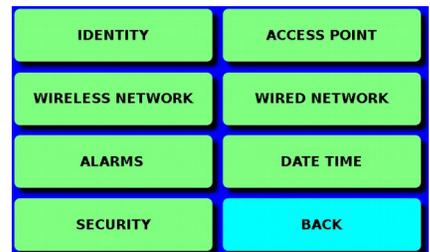
1. **Plug eMaster into your network** using the LAN/Ethernet port.
2. On the eMaster main screen, tap **SYSTEM**.



3. From the **SYSTEM** menu, tap **SETUP**.



4. From the **SETUP** menu, tap **ACCESS POINT**.



5. Make sure the **box** next to **Access Point Enabled** is marked with an **X**. If it is blank, tap the box to check it.

6. Tap the **field** to the right of **IP ADDRESS**.

7. Enter the eMaster's Access Point **IP address**, then tap .

8. Tap the field to the right of **NETMASK**.

9. Enter the **subnet mask** for eMaster, then tap .

10. Tap the field to the right of **DHCP START IP**.

11. Enter the DHCP's starting **IP address** then tap .

12. Tap the field to the right of **DHCP END IP**, then tap .

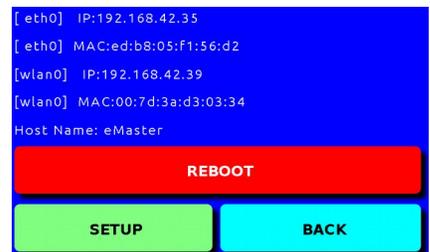
13. Then tap **SAVE**.

14. When asked to **SAVE**, tap **YES**.

15. You will be returned to the main screen. Tap **SYSTEM**.

16. From the **SYSTEM** menu, tap **REBOOT**.

When asked **ARE YOU SURE YOU WANT TO REBOOT**, tap **YES**.



Tip: Changes to your network settings do not take effect until eMaster reboots. You can choose to make other changes before rebooting.

B) Connect to eMaster

When you have completed network setup for eMaster, you can use any web-enabled device on the same network to connect to it.



Tip: If you're NOT using "Wired Network - Static" settings, **your eMaster's IP address might change.** If you can't connect, and you were able to before, follow these instructions again.

First, find out your eMaster's address:

1. On the eMaster main screen, tap **SYSTEM**.
2. Make a note of the **IP address** for your network type:
 - a. If you'll use a **wireless** network, write down the address next to **[wlan0] IP**.
 - b. If you'll use a **wired** network, write down the address next to **[eth0] IP**.



Next, connect to eMaster with your device:

3. On your device, open a web browser and enter the following into the address bar:

<http://address/eMaster>

In place of **address**, enter the **IP address** you wrote down in step 2.



Example: **<http://192.168.1.5/eMaster>**

Tip: The web address is **case sensitive**.

4. When you enter the address as shown above and press the **enter** or **return** key, you will see the eMaster control screen.

