

Mission Machines

The miDoor™ Opener Quick Configuration Guide

This guide is to help with the initial configuration of the miDoor garage door opener, which is also referred to as the miDoor opener. The miDoor opener must have already been successfully installed and powered-up. See *The miDoor Garage Door Opener Quick Installation Guide* for instructions on installing the miDoor opener.

The initial configuration of the miDoor opener involves configuring the network settings and setting up one user account. Other options such as setting up alarms or configurable IOs are covered in the miDoor manual.

Configuring The Network Settings

When the miDoor opener is initially powered-up it goes into a mode called adhoc mode. The Wi-Fi standard (802.11) defines two modes of operation: infrastructure mode and adhoc mode. Infrastructure mode is the normal operational mode of Wi-Fi devices. In this mode a Wi-Fi device must connect to a Wi-Fi router or access point. The Wi-Fi router or access point processes security settings and passes traffic from one device to another device or, in the case of a Wi-Fi router, out to the Internet. In order for a device to attach to a Wi-Fi router or access point the device must be programmed to match the settings of the Wi-Fi router or access point. These settings include the SSID, encryption method and encryption passwords or keys. Other important settings include the IP address, subnet mask, default gateway, and DNS settings. These later settings are not a part of the Wi-Fi standard but are an integral part of the Internet standard and are required.

In adhoc mode a Wi-Fi device can attach directly to another Wi-Fi device; bypassing the need for a Wi-Fi router or access point.

By using adhoc mode when the miDoor opener is first installed and not configured with the required settings, a user can have a Wi-Fi enabled PC or iPad™ connect directly to a miDoor opener and configure the required settings.

Once the miDoor opener is installed, powered-up and in adhoc mode it will broadcast over its Wi-Fi interface an adhoc identifier of 'miDoor'. From your computer's or iPad's Wi-Fi settings establish a connection to the miDoor opener.

To establish an adhoc connection to the miDoor opener from an iPad go to the "Settings" application and select "Wi-Fi". Under "Choose a Network..." locate 'miDoor' and select it. The iPad will connect directly to the miDoor opener and a check mark will be placed next to 'miDoor'. This procedure will also work with an iPhone™.

PHONE

EMAIL

WEB

If using Windows 7 right-click on the wireless icon on the right-hand side of the bottom of the screen and select 'Connect With Wizard'. A list of wireless networks should be displayed. Find the 'miDoor' device and select it by left-clicking on it. Click on the 'Connect' button and Windows will connect to the miDoor device in adhoc mode. See Figure 1 as an example.

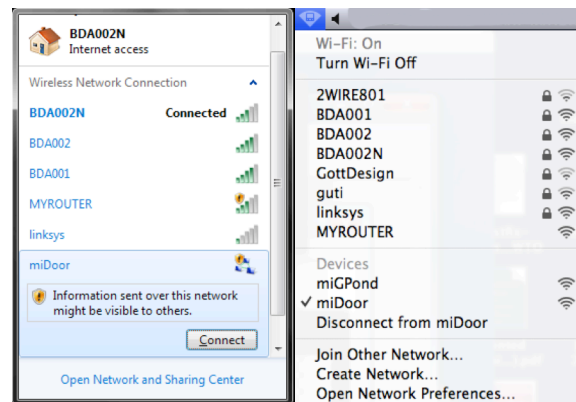


Figure 1 (Adhoc Selection, Left: Windows 7, Right: OS X Adhoc)

If using a Mac with OS X you can connect to the miDoor opener by selecting 'miDoor' from the Wi-Fi menu located on the Apple menu bar. Once the computer connects to the miDoor opener a check mark will be placed next to 'miDoor'. Refer to Figure 1 for an example.

Once an adhoc connection is made to the miDoor opener you can access the initial configuration page by opening a Web-browser and entering <http://169.254.1.1> as the URL. When the miDoor opener enters adhoc mode it always uses the IP address of 169.254.1.1.

After a short period the initial configuration page should appear. It may take a few minutes for the connection to be ready and you may need to retry the URL. Once the adhoc connection is fully established you will see the initial configuration page. Refer to Figure 2 (Initial Configuration Page) on the next page.

The minimum required fields to complete are the 'SSID', 'Wi-Fi Encryption', 'Wi-Fi Passphrase/Key' fields, and DHCP setting. If not using DHCP then the 'IP Address', 'Subnet Mask', 'Gateway' and 'Primary DNS' fields must be specified. It is recommended not to use DHCP but rather to use a fixed/static IP address.

The SSID must match the SSID (exactly) of your Wi-Fi router or access point. In addition, if using a Wi-Fi encryption scheme on your Wi-Fi router or access point, configure the miDoor opener to match those settings by selecting the Wi-Fi encryption type from the Wi-Fi Encryption drop-down menu and entering the keys or passphrase that your Wi-Fi router or access point is configured to use.

The keys or passphrase must match exactly. If the SSID, Wi-Fi encryption type or keys or passphrase do not match then after rebooting the miDoor opener it will not be able to connect to the Wi-Fi network. In this case you will have to re-enter these settings by putting the miDoor opener in adhoc mode and repeating the initial configuration steps.

After configuring the Wi-Fi settings the IP address information must be configured. The miDoor opener supports DHCP or fixed/static IP addressing. DHCP is a protocol that automatically retrieves IP address information from a router. This is a convenient protocol but it has the drawback that the IP address may change from time and time and it is difficult to know what IP address is assigned to the device.

On the other hand, using a fixed/static IP address will guarantee that the IP address does not change and it is known what IP address is assigned. This will make it easier for the user to access the miDoor opener and to configure the miDoor App. The drawback is that you will have to know the addressing scheme your network and router is using.

If you decide to use DHCP select the 'Enable DHCP' field. Nothing more will have to be done.

If you plan to use a fixed/static IP address then fill in the 'IP Address', 'Subnet Mask', 'Gateway' and 'Primary DNS' fields with the information that matches your network. Make sure the 'Enable DHCP' field is not checked. It is recommended to also complete the "Secondary DNS" field if you know the IP address of the backup DNS server.

The other fields can be left in their default settings. By default, the administrative password is 'pass' and the administrative user is 'admin'. You can change the administrative password now or later. If you change it you must not forget its value.

IMPORTANT: Once the network settings have been configured be sure to save them by pressing the 'Save Config' button.

The new saved settings will take effect once the miDoor opener is rebooted. Press the 'Reboot' button to reboot the device. After rebooting the miDoor opener should be able to be accessed using the new settings.

Do not forget to connect your computers' or iPad's Wi-Fi settings back to your Wi-Fi router or access point.

After configuring the miDoor opener and putting your computer's or iPad's Wi-Fi settings to their nominal state verify that you can access the miDoor opener by opening a browser and entering a URL of `http://<ip address configured or assigned>`.

If you are unable to connect to the miDoor opener you will have to repeat the initial configuration steps and enter in the corrected settings. To put the miDoor opener into adhoc mode, depress the main button ('Push') on its face while applying power. That is, remove power from the miDoor opener, depress the 'Push' button, and re-apply power. The miDoor opener will enter into adhoc mode using an IP address of 169.254.1.1.

miDoor

Home

Event Log

User Configuration

Alarm Configuration

Network Configuration

Email Configuration

Administrative

Advance Configuration

Upload Firmware

Getting Started

CAUTION: Incorrect settings may cause loss of network connectivity.

A reboot will be required for settings to take effect.

Enable DHCP

IP Address:

Subnet Mask:

Gateway:

Primary DNS:

Secondary DNS:

SSID:

WiFi Encryption:

HTTP Port:

HTTPS Port:

NTP Server:

Administrative Password:

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Creating Account

a User

Figure 2 (Initial Configuration Page)

After the network settings have been successfully configured open a Web-browser and use the IP address assigned to the miDoor opener as the URL. A login screen should appear.

Login using the user 'admin' and the password assigned to the admin account. (By default the 'admin' password is set to 'pass'.) On the left hand side is a list of options. Choose the 'User Configuration' option. You should see a screen similar to Figure 3 (User Configuration Screen).

To add a user select the 'Add New User' link and fill in the appropriate fields. The 'User Name' and 'User Password' fields are required. The 'Email Address' field is optional and is used to send email notifications to the user. Alarms can be configured to send email notifications. The other fields are:

Administrator

Click this if you would like the user to receive alarm notifications or be able to change configuration options. Non-administrators are allowed control of the garage door.

User Enabled

If this is not selected then the user will be disabled and unable to login to the miDoor opener. By default the user is enabled.

24-Hour Access

By default users are allowed 24-hour access to open or close the garage door. If you want to place time constraints for the user then deselect this checkbox and fill in the times. The 'From' and 'To' fields specify when the user is allowed to operate the door.

To add the new user press the 'Add User' button.

It is recommended to create a user with Administrator privileges for the main operator of the miDoor opener and to use the 'admin' account for maintenance operations.

Note that any existing garage door opener controls are not affected by the user settings and that the 'Push' button on the miDoor opener can always be used.

- Home**
- Event Log**
- User Configuration**
- Alarm Configuration
- Network Configuration
- Email Configuration
- Administrative
- Advance Configuration
- Upload Firmware

User Configuration

[Dad](#)
[Me](#)
[Add New User](#)

User Name:	Me
User Password:
Email Address:	Me@YourDomain.com
Administrator:	<input checked="" type="checkbox"/>
User Enabled:	<input checked="" type="checkbox"/>
24-Hour Access:	<input checked="" type="checkbox"/>
From:	0 : 0 : 0 am ↕
To:	0 : 0 : 0 am ↕
	<input type="button" value="Update User"/> <input type="button" value="Delete User"/>

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Figure 3 (User Configuration Screen)

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