

Using Garrett Wireless and Wired iC Module and CMA Connect



Control • Monitor • Analyze

Wireless + 10/100/1000Base-T

iC Module[™] v2

INTERNET OF THINGS CONTROL MODULE

PN: 1174300 WIRED/WIRELESS

PN: 1174350 WIRED ONLY

USER MANUAL

English



Made in the USA

GARRETT[®]

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1.0 IC MODULE PRODUCT OVERVIEW

Congratulations on selecting Garrett Metal Detectors' Internet of Things Control (iC) Module v2 (hereafter indicated as "iC Module"). The iC Module is a multi-functional product designed to be used with specific Garrett Walk-Through Metal Detector products. When using the Garrett iC Module with the CMA Connect client software, users can create an Internet of things ecosystem to help control their walk-through metal detectors. This ecosystem provides the ability to have full control by allowing access to observe and examine multiple walk-through units remotely. Users have the ability to quickly respond to security events by changing settings to individual walk-throughs, groups of walk-throughs or all walk-throughs at once on their system. Statistics, such as historical graphs and data, allow users to better examine their security needs at checkpoints in the future.

1.1 Garrett Internet of Things Control Module (iC Module)

The iC Module (*see Figure 1-A*) contains memory and processing circuitry and allows connection to your network wirelessly or via a wired RJ45 Ethernet connection using a laptop or personal computer (PC).

1.2 Garrett CMA Connect Client Software

The CMA Connect client software provides remote network access to data collection, alarm statistics and real-time detector events for monitoring and / or analyzing. When connected to a network, the walk-through unit can be remotely monitored and controlled from any location around the world.

Note: Prior to installation, please contact your network administrator to obtain an IP address (or range of IP addresses) to ensure a successful install if a static IP address is needed.



Figure 1-A

2.0 INSTALLATION TIPS

- The CMA Connect software works with Java runtime V.7. This software is provided on the USB drive that is supplied with each iC Module.
- This product ships with DHCP enabled for both wired and wireless MAC addresses on the device. Access to the device to enable or disable DHCP can be done through the device's web page. Information about the product function, assigning the IP address, changing settings, and network and software installation is included in this manual.
- The MAC address for each iC Module is provided to help when assigning IP addresses. A pre-assigned IP address can be reserved for each address when the module comes online.
- Software installation may require assistance from your System Administrator if your operating system is password-protected. Network installation may require the assistance of your Network Administrator.
- Certain functions of the iC Module are password-protected.

LED Summary

Wireless LAN LED	Flashing: iC Module Access Point enabled Solid: iC Module is connected to wireless LAN Off: Disabled or not connected to wireless LAN
System Status LED	Solid: Reading USB thumb drive
Network Activity LED	Flashing: iC Module web page is accessible Off: No network connection
Walk-Through Activity LED	Flashing: iC Module is starting up Solid: iC Module is running

Table 2.1

"Press to Configure" Button Functions

1 press	Enables iC Module web page Disables iC Module web page AND wireless Access Point
2 press	Enables iC Module web page AND wireless Access Point
Press+hold (10 sec)	Reset iC Module

Table 2.2

3.0 WIRELESS NETWORK CHECKLIST

Below is a checklist of information intended to be filled out and returned to Garrett if you would like to have your iC Module arrive pre-configured for your wireless network.

3.1 Wireless Network Infrastructure

1. Is the SSID used to connect the WTMD's accessible from ALL desired installation locations? Yes___ No___

2. SSID Name: _____

Key: _____

3. IP Block to use?

FROM:_____ TO _____

Note: DHCP is not supported with the CMA Connect software. A wireless static IP address must be assigned for each iC Module.

4. Subnet Mask: _____

5. Gateway Address: _____

3.2 Wireless Security Information

1. What wireless encryption method will be used? WEP___ WPA___ WPA2___

a. If WPA/WPA2 - PSK

i. Key/Passphrase _____

b. If Enterprise with 802.1x

i. Username:_____

ii. Password: _____

Note: Networks utilizing SSL certificates cannot be configured by Garrett prior to delivery and can only be configured at the end users location

2. Is broadcast traffic allowed on the wireless network? _____

• If no, are there any protocols that could block traffic from repeated broadcast requests? _____

3. Is the desired SSID broadcasting (not hidden)? _____

Note: Broadcasting allows for iC Module to be discoverable in the CMA Connect software when it first comes online. Otherwise, the IP address will need to be entered manually for it to be discovered. Broadcasting is only needed for initial setup.

4. Is a client isolation protocol enabled?

Note: Enabling isolation protocol prevents remote access to iC Module with the CMA Connect software

a. Yes___ If yes, is it global_____ or by SSID_____?

b. No___

3.3 Infrastructure Information

1. Can a contiguous block of IPv4 addresses be reserved for the iC Modules? _____

Note: DHCP is not currently supported when using the CMA Connect software.

2. Is the SSID to be used connected to the same VLAN or Subnet that the Client PC will be connected to? _____

3. Is traffic allowed on ports 6876:TCP and 6877:TCP?

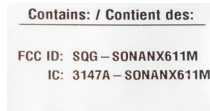
Yes___ No___

Note: If "No," these two ports must be opened for CMA Connect to operate properly.

4.0 HARDWARE INSTALLATION

4.1 iC Module Components:

- iC Module
- Power/Data Cable
- CMA Connect USB drive
- User's Manual
- Transmitter ID Label



ID Label



Figure 4-A

REQUIRED TOOL:

- Phillips screwdriver, #2
- 1/4" drill bit

IMPORTANT: Disconnect all power to the walk-through unit before installing the iC Module!

4.2 Installation Steps:

1. Open the access door.
(see Figure 4-B)



Access Door

Figure 4-B

2. Remove the 2 ft. power cord.
(see Figure 4-C)



Power Cord

Figure 4-C

3. Remove the circuit board cover by removing the 3 screws. If installing in Paragon, the cover does **not** need to be removed.
(see Figure 4-D)



Figure 4-D

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4. For older versions of PD 6500*i*, follow the schematic drawing for models that do not already include drill hole indications (see Figure 4-E). Drill a quarter-inch (.25") hole in the detection housing top. Use caution to prevent any metal shavings from falling inside the unit during this step.

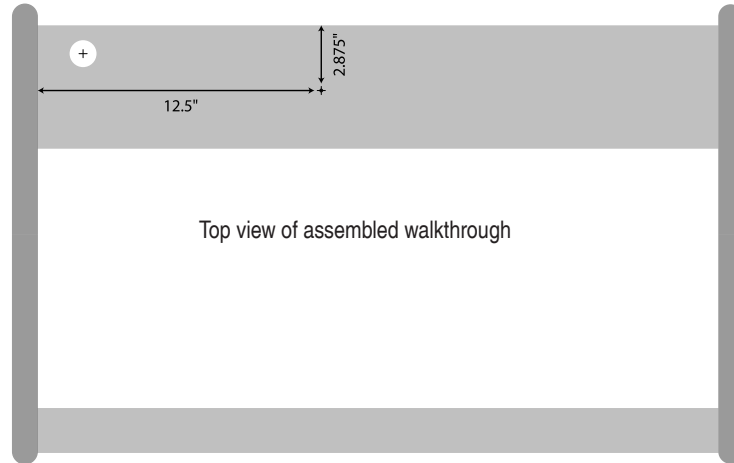
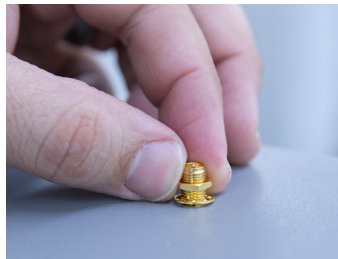


Figure 4-E

5. Mount the antenna through the top of the detector housing for PD 6500*i* and Multi Zone. Tighten washer and nut, then screw in the antenna. For Paragon, the hole for the coax connector is located on the door. (see Figure 4-F)



Figures 4-F

6. Replace the circuit board shield using the two bottom screws if installed in PD 6500*i*. Use the top screw to mount the new iC Module. For newer models of PD 6500*i* and Paragon, the top screw does not have to be removed. Loosen the top screw and use the keyhole on the iC Module to mount it; tighten when done. (see Figure 4-G)



Figures 4-G

Using Garrett Wireless and Wired iC Module and CMA Connect

7. Plug one end of the power / data cable into the port on the controller circuit board. Listen for a click to ensure proper connection. (On earlier versions of the PD 6500*i*, it is necessary to remove the controller cover to make this connection). (see Figure 4-H)



Figures 4-H

8. Insert the free end of the Power/Data Cable into the port labeled “From Metal Detector” on the iC Module. Click to ensure proper connection. (see Figure 4-I)

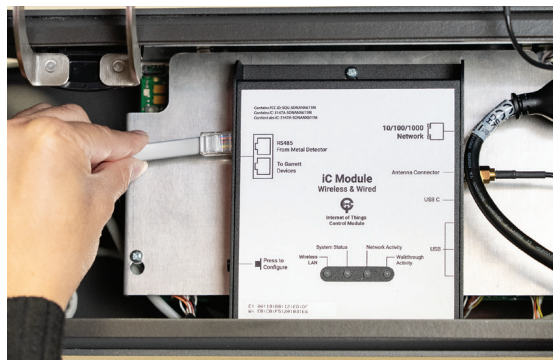


Figure 4-I

9. Add Transmitter ID label below the product label on the detection housing for Multi Zone, PD 6500*i*, and Paragon. (see Figure 4-J)



Figure 4-J

Using Garrett Wireless and Wired iC Module and CMA Connect

10. Replace the power cord. (see Figure 4-K)



Figure 4-K

11. Ensure the coax antenna connector is in place. This concludes the hardware installation. The unit will be turned on in Section 6. Make note of the naming convention and location of connections and LEDs on the front of the unit as reference.

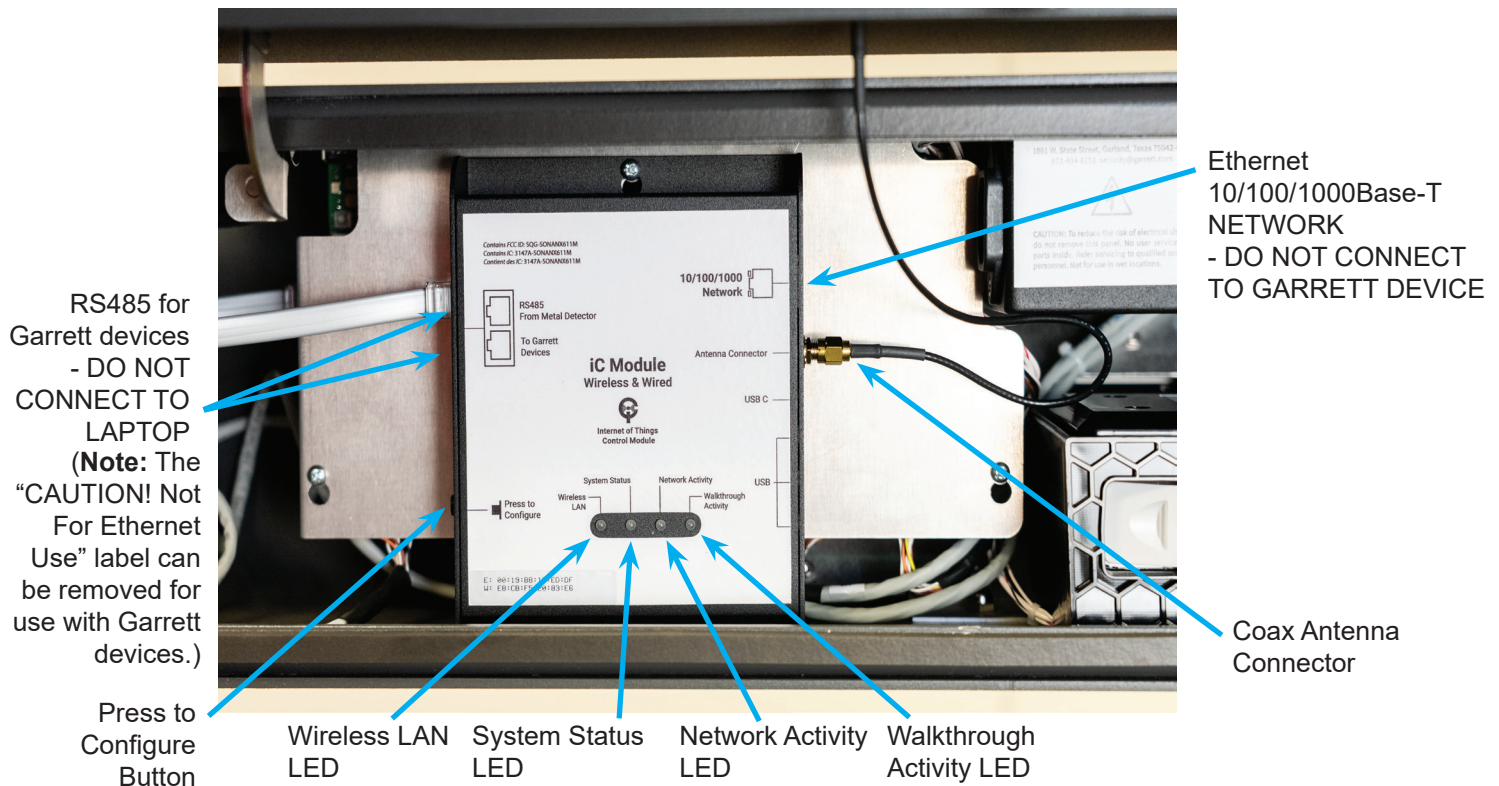


Figure 4-L

5.0 SOFTWARE INSTALLATION

Each iC Module ships with a USB drive that contains software needed for connecting and accessing the iC Module.

5.1 Laptop / PC Requirements

- USB drive
- Network Interface Card (NIC)

5.2 Install CMA Connect Software

The following steps are required to install CMA Connect on your laptop or desktop PC.

Install the Java file from the USB drive that ships with the product:

1. Insert USB drive into the Laptop/PC's USB port.
2. Locate the USB drive on your Laptop/PC.
3. Select the Java file, jxxxxx.exe > Click Open > Click Run and follow the setup instructions.

Copy CMA Connect Software to Local PC hard drive.

1. Access the files on the USB drive.
2. Copy the "CMA Connect" folder to your hard drive. This folder can go anywhere on your local hard drive (C:, D:). If you have a specific folder for all your software (e.g. "Software"), it is a good idea to copy the CMA Connect folder to this folder. If not, you can copy it to the root of the chosen partition as well (C:\ or D:\). Note: Your computer's user security permissions and policies decide where you can or cannot copy the CMA Connect folder.
3. Close all windows and remove the CMA Connect USB drive from the Laptop/PC's USB port.
4. Right click on desktop > click New > Shortcut > Browse.
5. Select the CMA.jar in the CMA Connect folder you installed.
- 6 Click OK > Next > Finish. Shortcut is now located on the PC desktop.

Note: It is not necessary to reboot the computer to run this software.

6.0 ACCESSING THE IC MODULE DIRECTLY

Once all the hardware has been installed on the iC Module from Section 4.0 and the CMA Connect software from Section 5.0, the iC Module may need to be configured.

The iC Module comes with two MAC addresses for wired and wireless LAN, and both come with DHCP enabled. Configuration of the iC Module may be needed when connecting to a LAN using the device's web page interface. This includes enabling/disabling access to the wired/wireless web page interface, enabling/disabling wired/wireless DHCP, setting a wired/wireless static IP address, or setting the SSID, passphrase, and security settings for a wireless network. This configuration can be done without connecting to a network by either a direct Ethernet connection to a laptop, a direct wireless connection to the device's access point, or a direct connection using a USB-C cable.

The connection to the iC Module includes the following tasks:

- Power on the walkthrough and iC Module
- Connect to the iC Module
- Enable web configuration
- Access web page

6.1 Power on the Walkthrough and iC Module

Ensure that the Power/Data cable is connected and turn on power to the walk-through metal detector by pushing the "On-Operate-Test" button on the front of the control panel. This will power on the iC Module. Once ON, the iC Module will take a few minutes to boot up before it can be accessed. Once the "Walkthrough Activity" LED stops blinking and turns solid, proceed to the next step.

6.2 Connect to the iC Module With Ethernet Cable

Connecting directly to the iC Module will allow you to access the iC Module's web page and configure your wired or wireless connection settings needed to access the module on your network. Initially, each iC Module ships with DHCP enabled. This IP address will be used to make a direct connection with the Module using a laptop for the first time.

Using Garrett Wireless and Wired iC Module and CMA Connect

The following steps will allow a direct connection from your laptop to the iC Module.

1. Disable your wireless network connection temporarily on your laptop.
2. Use an Ethernet cable to connect one end to the 10/100/1000 Network connection on the iC Module and the other end to the Ethernet LAN connection on your laptop.

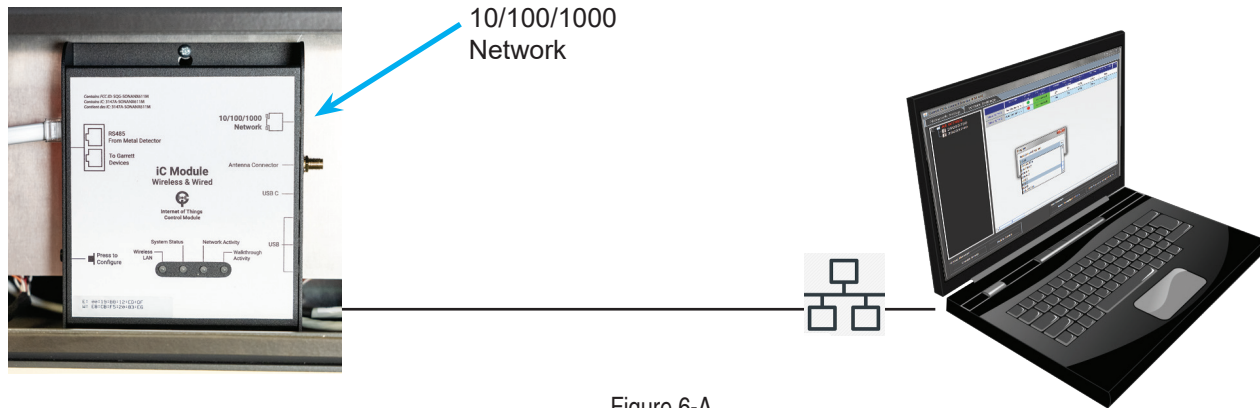


Figure 6-A

3. **Attention:** Because the iC Module ships with DHCP enabled, the laptop or computer that is being used for this direct connection must also be set to DHCP and **not** set to a static IP address. It is *critical* that this is done before proceeding to the next sections. Please contact your local IT administrator for assistance in modifying your laptop's IP settings. Once the Ethernet cable is connected and the laptop is set to DHCP, proceed to the next section.
4. Proceed to the next section to enable the web page.

6.3 Enable Web Page With Ethernet Cable

Each iC Module has a web page for configuration that can be accessed through Google Chrome. The iC Module is shipped with the web page disabled for security reasons. In order to configure settings inside the Module, the web page must be enabled first.

Press once and release the “Press to Configure” button on the left side of the iC Module, and the “Network Activity” LED flashes to enable the Web Configuration page. It should only take a few seconds for the LED to start blinking. It may take up to 30 seconds for the Configuration page to become available before your Google Chrome browser can access it. Reference Table 2.1 for LED Summary.

Once the “Network Activity” LED on the front of the Module blinks once per second, the web page is enabled and ready to be accessed. Proceed to the next section.

Note: Pressing the button once and releasing it again will disable access to the web page. Reference Table 2.2 for “Press to Configure” Button Functions.

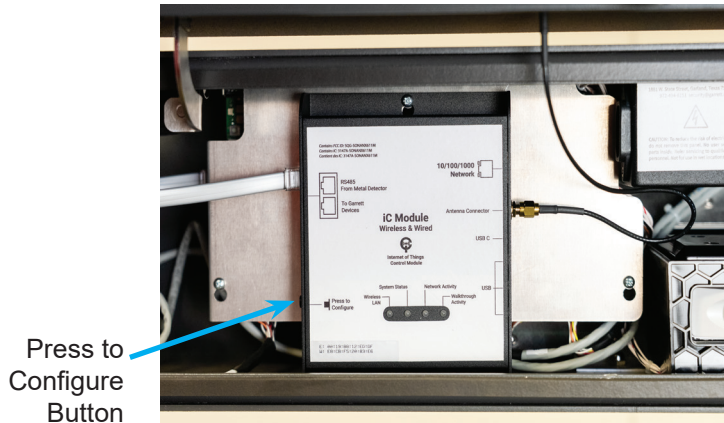


Figure 6-D

6.4 Connect to the iC Module Using Wireless Access Point and Enabling Web Page

Connecting directly to the iC Module can also be done using the wireless access point of the iC Module with a cellphone or laptop that has wireless capability.

The following steps will allow a direct connection from your cellphone or laptop to the iC Module:

1. For security reasons, the access point is disabled by default. To enable it, press and release the “Press to Configure Button” two times in a row. This will turn on the wireless access point and enable the web page at the same time.
2. The LEDs on the front of the iC Module will start flashing for a few seconds as the command is processed. The “Wireless LAN” LED will start flashing once per second to confirm the wireless access point is enabled, and the “Network Activity” LED will start flashing once per second to confirm the web page has been enabled.
3. On your cellphone or laptop, go to the wireless settings page and look for the wireless network named: **garrett-12345678**. The number 12345678 in this example represents the serial number of the metal detector, which can be found on the serial label located on the detection head or by pressing the On-Operate button on the detector’s keypad.
4. Select the wireless network name to connect to it. Once connected from your cellphone or laptop, there may be a confirmation with a *check* showing it is connected, or instead a message like “No Internet Connection” or “No internet, keep wireless connection.” This is normal because it is connected to the wireless access point and not the actual internet.
Note: It may take as long as 30 seconds to one minute for the wireless network to show up on your cellphone or laptop.
5. Proceed to the next section.

6.5 Accessing and Logging In to the Web Page

The web page will need to be accessed by logging in to the page with credentials. Once logged in to the page, you will need to change the time server, change the time zone, and set the static IP address for your Ethernet network depending on your network requirements.

Once a laptop or PC is connected directly using an Ethernet cable or wireless access point, and the button has been pressed once (for Ethernet connection) or twice (for access point), a hostname can be entered into a browser's address bar in place of a static IP address. Each iC Module that is connected to a Garrett detector will have a hostname assigned in the following format: **garrett-12345678.local**

The number 12345678 in this example represents the serial number of the metal detector, which can be found on the serial label located on the detection head or by pressing the On-Operate button on the detector's keypad. The .local is needed at the end when using a direct connect access method.

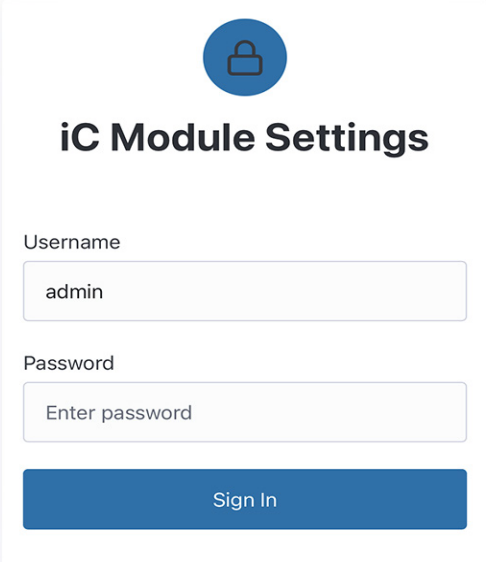
Logging In to the Web Page

Once a browser is opened and the web page is enabled, type the address below in the address bar: `http://garrett-12345678.local`

Wait for at least 30 seconds, and the web page login screen should show up. Use the credentials below to access it:

Username: admin

Password: 5678

The image shows a login screen titled "iC Module Settings". At the top is a blue circular icon with a white padlock. Below the title are two input fields: "Username" with the text "admin" and "Password" with the placeholder text "Enter password". At the bottom is a blue button labeled "Sign In".

iC Module Settings

Username
admin

Password
Enter password

Sign In

Once all configuration settings have been set in the following sections, it is recommended to return to this section and change this to a username and password per your local IT administrator guidelines.

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Figure 6-E

Note: If the page does not load or appears unavailable, verify that Google Chrome is the web browser and repeat step. Also, verify that the "Network Activity" LED or "Wireless LAN" LED is blinking once per second, indicating that the web page is ready to be accessed. If one is not blinking once per second, refer to previous section on **Enable Web Configuration** to access the web page. Reference Table 2.1 for LED Summary.

7.0 CONFIGURATION - WIRED OR WIRELESS CONNECTION

The iC Module requires some configuration prior to use, such as the time server setting, setting the static IP address and configuring wireless settings.

Change Time Server / Change Time Zone

On the web page, navigate to: “System” (on top menu) and scroll to the bottom of the page (see Figure 7-A)

To change date and time, enter your preferred network time server information into the box labeled "NTP Server." If you do not have a preferred network time server, then "pool.ntp.org" is used by default. A custom date and time can be entered by changing the “Use NTP” button.

To change the time zone, use the drop-down to select region first, then your location. When all changes are complete, select “Save Time Settings” at the bottom of the Time Settings section.

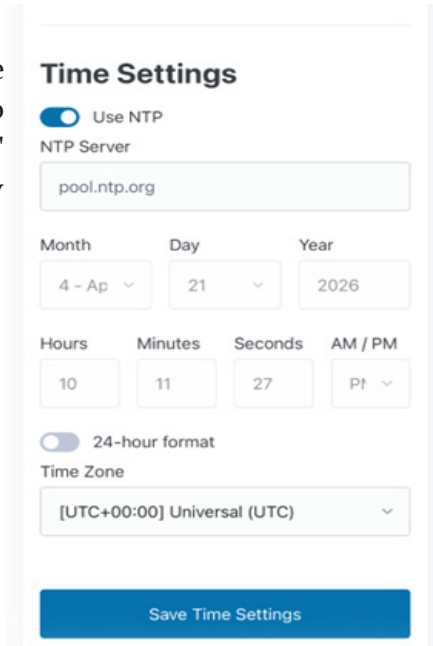


Figure 7-A

7.1 Configuration for Wired 10/100/1000Base-T Operation

On the web page, navigate to “Wired” at the top of the page.

Enabling/Disabling Wired Interface

If the desire is to operate the Module using only wireless, then the “Enable Wired Interface” button can be deselected and disabled.

Enabling/Disabling DHCP

By default, DHCP is selected for wired operation, but it can be changed to set a static IP address as needed.

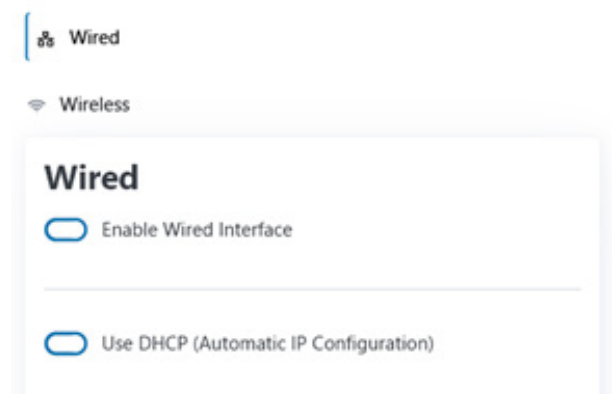
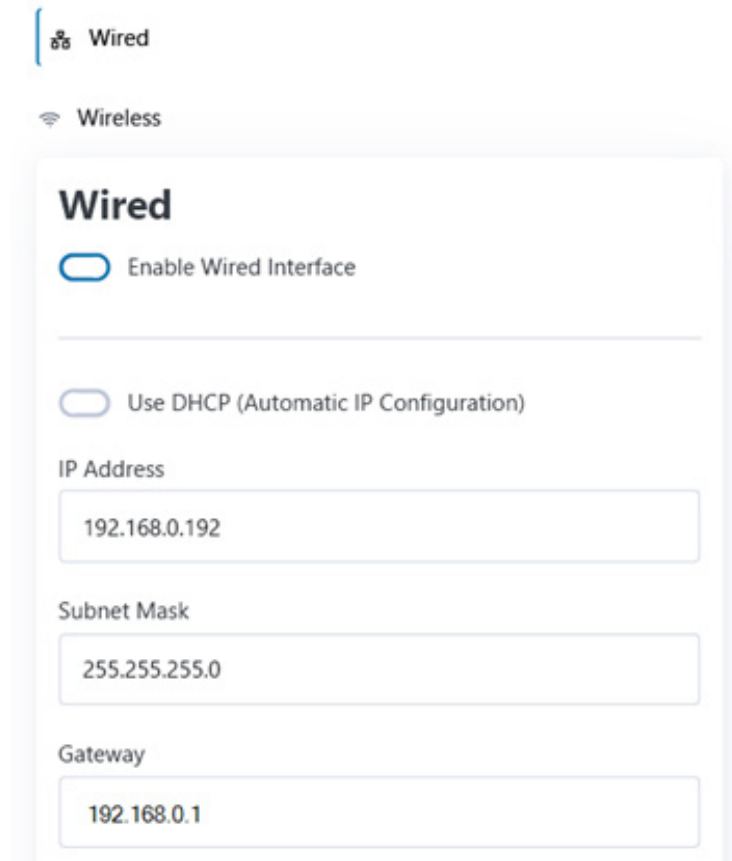


Figure 7-B

Setting Wired Static IP Address

A static IP address may be required for wired operation. Deselect the “Use DHCP” button, and the fields will appear to enter your static “IP Address,” “Subnet Mask,” and “Gateway.” Below is an example of a static “IP Address” with “Subnet Mask” and “Gateway.”



The screenshot shows a web interface for network configuration. At the top, there are two tabs: "Wired" (selected) and "Wireless". Below the tabs, the "Wired" section is expanded. It contains a toggle switch labeled "Enable Wired Interface" which is turned on. Below this is a section for static IP configuration. It has a toggle switch labeled "Use DHCP (Automatic IP Configuration)" which is turned off. Below the toggle, there are three input fields: "IP Address" with the value "192.168.0.192", "Subnet Mask" with the value "255.255.255.0", and "Gateway" with the value "192.168.0.1".

Figure 7-C

Make sure the static “IP Address” and default “Gateway” are on the same network; otherwise, the device may become unreachable and require a factory reset. Once all changes have been made, scroll to the bottom of the “Wired” section and select “Save Wired Settings.”

7.2 Configuration for Wireless LAN Operation

On the web page, navigate to “Wireless” at the top of the page.

Enabling/Disabling Wireless Interface

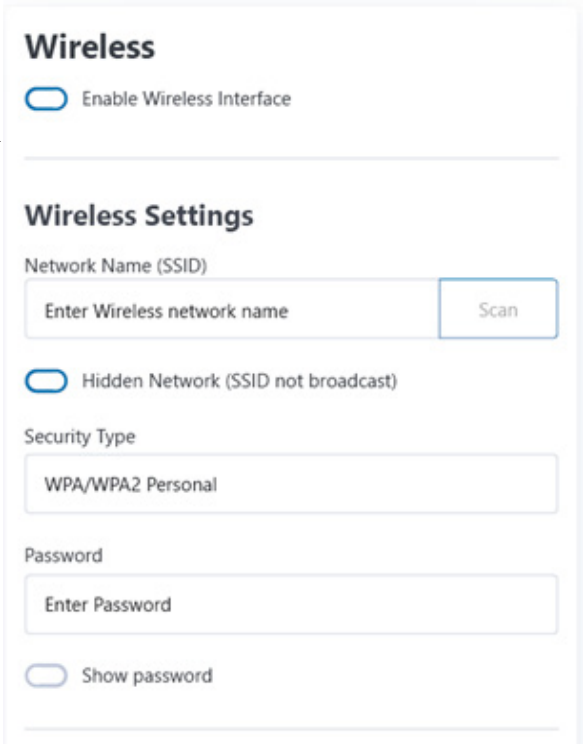
If the desire is to operate the Module using only wired, then the “Enable Wireless Interface” button can be deselected and disabled.

Setting Up for Wireless Network

When the “Enable Wireless Interface” button is enabled, the settings for a wireless network can be entered, including “Network Name (SSID),” “Security Type,” and “Password.”

The “Scan” button can also be used to find nearby wireless networks. A password may still be needed to access the network that was found and selected after the scan. Once all changes have been made, scroll to the bottom and select “Save Wireless Settings.”

The “Hidden Network (SSID not broadcasting)” button is used when the network doesn’t allow broadcasting or is hidden.



Wireless

☒ Enable Wireless Interface

Wireless Settings

Network Name (SSID)

Enter Wireless network name Scan

☒ Hidden Network (SSID not broadcast)

Security Type

WPA/WPA2 Personal

Password

Enter Password

☒ Show password

Figure 7-D

Enabling/Disabling DHCP

By default, DHCP is selected for wireless operation, but it can be changed to set a static IP address as needed. By deselecting the “Use DHCP” button, you can add your own static “IP Address,” “Subnet Mask,” and “Gateway” needed for your network.

Make sure the static “IP Address” and default “Gateway” are on the same network; otherwise, the device may become unreachable and require a factory reset. Once all changes have been made, scroll to the bottom and select “Save Wireless Settings.”



IP Settings

☒ Use DHCP (Automatic IP Configuration)

IP Address

Enter IP Address

Subnet Mask

Enter Subnet Mask

Gateway

Enter Gateway

Figure 7-E

8.0 FINDING THE IC MODULE ON THE NETWORK

Now that the iC Module has been configured to be discoverable on your Local Area Network, we can verify that the module is discoverable through the network using the CMA Connect software, which was installed earlier in Section 5.0 of this User Manual.

8.1 Using CMA Connect to Find iC Module

The following steps will allow you to find the iC Module using the CMA Connect software:

1. Disconnect the Ethernet cable from your iC Module that was connected to your laptop.
2. Launch the CMA Connect software from your laptop or desktop PC. If using the same laptop that connected directly to the iC Module in Section 5 for configuration, make sure to put back in the place the previous network settings if they were changed prior to modifying the IP address.
3. Enter CMA Connect using Full Access with Password "admin"
4. From the Network Setup tab, select "Find WTMDs" from the left side. The iC Module will show up in the "Known WTMDs" section of this tab.
5. If the iC Module does not show up, it may be possible to add it manually using the "Add WTMD" button on the left and entering the IP address.

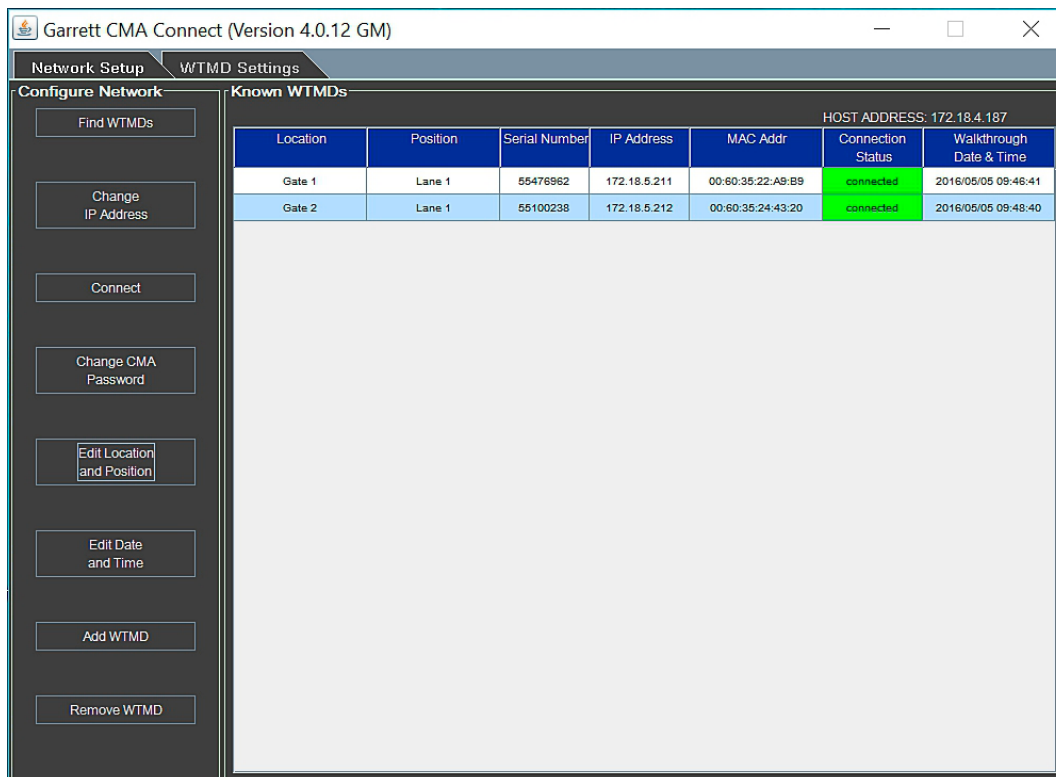


Figure 8-A

8.2 Troubleshooting Network Connectivity to iC Module

Garrett is responsible for helping establish a connection from the iC Module to the customer network. However, it is the responsibility of the customer to establish a connection from a laptop or desktop PC to the iC Module through their network. Some possible issues that may arise are listed below:

Direct Connect With USB-C Cable - If none of the above methods of connection and configuration work in your situation, you may use a USB-C cable to configure the iC Module.

- The USB-C port on the iC Module acts as a network interface and has an IP address of 192.168.60.1
- Type this address into your browser address bar, and you can use the web page to configure the iC Module for your network environment.

In the case of wired connections, it is better to turn off the wireless interface, at least while a connection is being established. This allows all network traffic to go to the intended destination.

Factory Reset - If the direct Ethernet connection is not connecting to the iC Module, a factory reset may be required. Performing this operation will clear all log files on the iC Module. On an empty flash drive, create a blank text file and name it "factory_reset.txt." Power on the iC Module and wait until the Walkthrough Activity LED is solid, then plug in the flash drive. Remove the flash drive when the Walkthrough Activity LED is blinking. Now, the Ethernet IP address is reset to 192.168.0.192 and the Wireless IP address is reset back to DHCP enabled with no IP address.

Wireless Connection - For wireless connection, always check if the Wireless LAN LED on the front of the iC Module is solid. If it is not solid, then reference the settings created in Section 7.0 (see "Configuration for Wireless LAN Operation") and check that the SSID and Passphrase were entered correctly. If the LED is solid, but you cannot connect using CMA Connect, then the device is connected to the wireless network, but something in the network is preventing CMA Connect from discovering the device. Below are some network-related instances that may contribute to this issue.

Matching SSID - Oftentimes, the laptop with CMA Connect is connected to a different VLAN / subnet of the network than the iC Module. Either move the CMA Connect software files to a laptop or desktop PC that uses the same VLAN / subnet and same SSID as the iC Module or reconnect the laptop or desktop to the same network with the same VLAN / subnet and SSID as the iC Module.

Verify IP Address and Default Gateway - It is possible the IP address and Default Gateway were typed in incorrectly and are not on the same network. Verify settings from the web page.

Broadcasting - CMA Connect uses broadcasting to communicate with the iC Module. If this is disabled, the unit will not show up on CMA Connect when the “Find WTMDs” button is used unless its IP address is manually added using the “Add WTMD”.

Routing Across Networks - It is possible to have your iC Modules on a separate VLAN / subnet than the laptop or desktop PC from which you plan to run CMA Connect. However, in this scenario, you must ensure that this computer has a route to the IP addresses of your iC Modules. Furthermore, you will not be able to automatically discover your devices on the host device using the “Find WTMDs” button. Rather, you will need to manually enter the IP addresses of your iC Modules using the “Add WTMD” button on CMA Connect.

Blacklisted Device - If a MAC address is not registered on the network, it may be blacklisted and unable to communicate to the network, contact your IT department to help resolve this by providing the MAC address assigned to the iC Module. The MAC address is located on the top of the module where “E:” designates the Ethernet MAC address and the “W:” designates the wireless MAC address.

Swapping Out iC Module - If swapping out or replacing an iC Module where the same IP address will be reused for the new module, make sure to reassign the new MAC address to that IP address in your network configuration.

9.0 REGULATORY INFORMATION

9.1 Garrett Metal Detector Compliance

Changes or modifications not expressly approved by Garrett Metal Detectors for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

To satisfy FCC RF Exposure requirements for mobile and base station transmission devices, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during operation. To ensure compliance, operation at closer than this distance is not recommended. The antenna(s) used for this transmitter must not be co-located or operating within 20 cm of any other antenna or transmitter.

9.2 EU Declaration of Conformity

Company name: Garrett Metal Detectors
Postal address: 1881 W. State St.
Postcode and city: 75042 Garland, TX, USA
Telephone number: 972-494-6151
Email address: bobp@garrett.com

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

Apparatus Model/Product: iC Module Interface
Type: 1174300 WIRED/WIRELESS 10/100/1000Base-T (see Figure 9-A)
1174350 WIRED ONLY (see Figure 9-B)

Object of the declaration



Figure 9-A



Figure 9-B

The object of the declaration described above is in conformity with the relevant European Union harmonisation legislation:

RoHS 2011/65/EU

EMC Directive 2014/30/EU

Radio Equipment Directive 2014/53/EU

The modular radio has been tested and approved for use in the United States, Canada, the European Union, Australia, and New Zealand.

10.0 WARRANTY AND SERVICE INFORMATION

Register Your Garrett Device Online

garrett.com/security/warranty-registration



Scan here to get started.