



Gen3

USER GUIDE

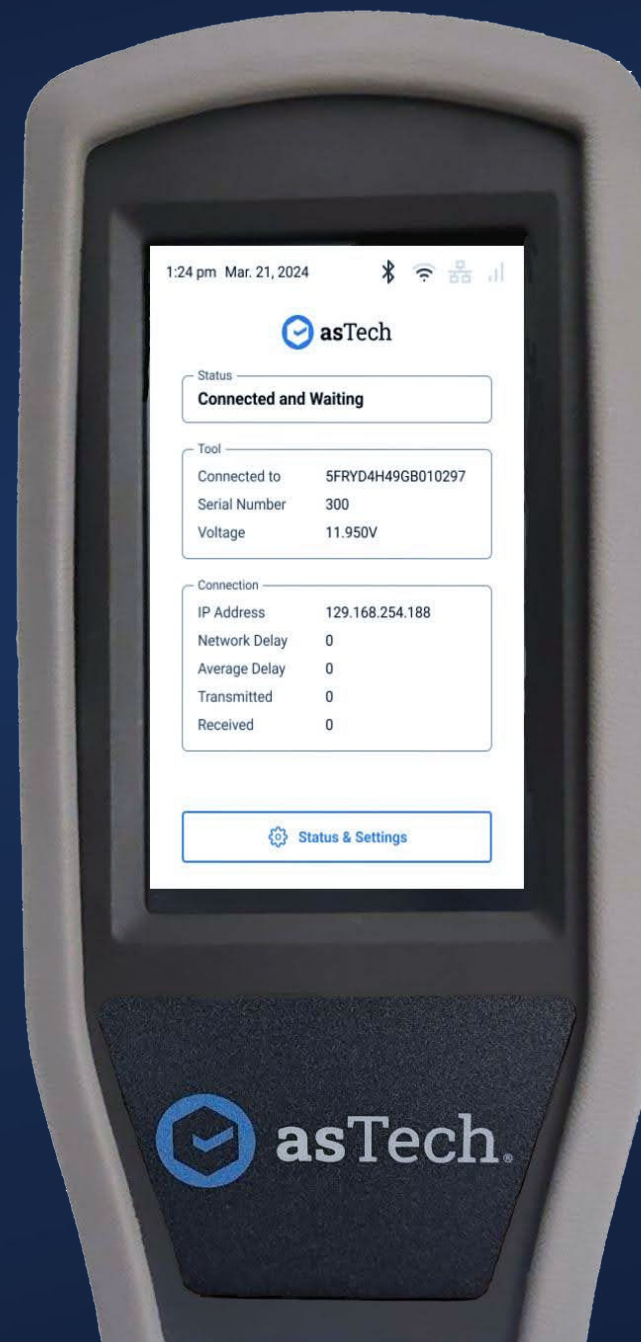


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On-screen Wi-Fi Configuration

1. Available Wi-Fi networks are scanned in the background; press « Rescan » to refresh the list.
2. Select the Wi-Fi network to join and press « Connect »
3. Type the password for the network using the on-screen keyboard.

Current Connection

Known Wi-Fi Networks Disconnect

Available Wi-Fi Networks Forget

TP-LINK_AP_9698
Hidden Network
Dragonstone
Frontier7840

← Back
Connect
Rescan

Current Connection

Known Wi-Fi Networks Disconnect

Available Wi-Fi Networks Forget

TP-LINK_AP_9698
Dragonstone
Hidden Network
Frontier7840

← Back
Connect
Rescan

Wi-Fi Connection

Name TP-LINK_AP_9698

Password ••••••••

1	2	3	4	5
6	7	8	9	0
!	@	#	\$	%
^	&	*	(	)

CAPS 123 !#\$

← Back
Connect

QuickTip Easily switch between « Known Networks » without needing passcode.

Wi-Fi Connection Process

1. « Associating » is connecting to the Wi-Fi Network.

2. « Configuring » is obtaining an IP address to use.

3. The status of the connection is displayed while connecting.

4. Success! The device will return to the Main Screen when connection is complete.

Wi-Fi Connection

Name TP-LINK_AP_9698

Password

Connecting to:
"TP-LINK_AP_9698"

Associating...

Wi-Fi Connection

Name TP-LINK_AP_9698

Password

Connecting to:
"TP-LINK_AP_9698"

Associating...Success!

Configuring...

Wi-Fi Connection

Name TP-LINK_AP_9698

Password

Connecting to:
"TP-LINK_AP_9698"

Associating...Failed!

Validate the Password
and try again.

Wi-Fi Connection

Name TP-LINK_AP_9698

Password

Connecting to:
"TP-LINK_AP_9698"

Associating...Success!

Configuring...Success!

Connection Complete.

IP: 192.168.254.35
Mask: 255.255.255.0
DNS: 192.168.254.254
Domain: "home"

Customizing IP settings

1. The network connections can be configured to use a Static IP address.

2. The network connections must be active to configure the IP settings.

Settings

Wi-Fi Settings →

IP Settings →

Bluetooth Settings →

Device Settings →

← Back

IP Settings

Wired

☐ Manual IP

IP Address192.168.254.77

Netmask255.255.255.0

Gateway192.168.254.254

☐ Manual DNS

DNS Address192.168.254.254

RET

7

8

9

4

5

6

1

2

3

.

0

✕

← Back

Save Settings

This is not common and requires the shop's IT to be involved.

VIN Read at start-up

1. The VIN can be manually entered by pressing the « Manual VIN Entry » button when it is shown

2. The VIN keyboard only has characters that are valid for a VIN

3. The « Continue » button will become enabled when a valid VIN is entered



If the VIN cannot be read, the device will prompt the user to check the ignition.

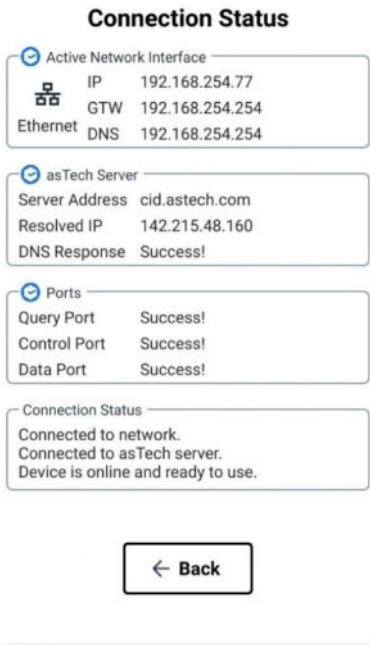


Network Status

Press « Network Status » for a more detailed description of the network interfaces.

Continue to Connection Status page via bottom menu

Connection Status page



The Connection Status page illustrates each step of the connection process:

1. Which network interface is being used.
2. The asTech server address and resolved IP address, which helps identify DNS issues.
3. The status of each TCP Port, which helps identify firewall issues.

Cellular Connection

Provides customers the option to choose the cellular network they prefer to use.

USB Tethering is available through the USB; hot spot may need configuration.

This provides a more stable connection while also charging the hot spot.

Network Status

Ethernet
Speed 1000 Mbps
IP 192.168.254.77
MAC 50:2D:F4:2D:19:F5

Wi-Fi
SSID TP-LINK_AP_9698
RSSI 100%
Freq. 2.417 GHz
Rate 162.0 Mbps
IP 192.168.254.35
MAC EC:5C:84:16:97:09

Tethering
Name SAMSUNG_Android
Type USB v2.10 480Mbps
IP 192.168.160.33
MAC 02:EB:20:03:55:BC

Bluetooth
Name astech-gen3-300
State Disconnected
MAC EC:5C:84:15:F5:B9

← Back

Connection Status



Network Priorities

When multiple network connections are present, the active interface is highest priority interface that is configured, in the order of:

1. USB Connected/Tethered Hot-Spots
2. Wired Ethernet
3. Wi-fi

When multiple interfaces are active, there will be multiple indicators on the Main Screen, but only one will be "Active" at a time.

Switching Between Network Interfaces

1. Configured Wi-Fi Networks will automatically connect.

2. To switch to Ethernet, simply plug in the Ethernet Cable.

3. The status will reflect the change to a higher priority interface.

4. The connection to the asTech Server is re-established automatically after the switch.

8:13 AM Dec 05, 2025 32°C

asTech

Status
Connected and Waiting

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.033V

Connection

IP Address	192.168.254.35
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

 Network Status  Settings

8:14 AM Dec 05, 2025 33°C

asTech

Status
Switching to Ethernet...

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.013V

Connection

IP Address	192.168.254.35
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

 Network Status  Settings

8:14 AM Dec 05, 2025 34°C

asTech

Status
Reconnecting...

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.014V

Connection

IP Address	192.168.254.35
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

 Network Status  Settings

8:14 AM Dec 05, 2025 35°C

asTech

Status
Connected and Waiting

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.016V

Connection

IP Address	192.168.254.20
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

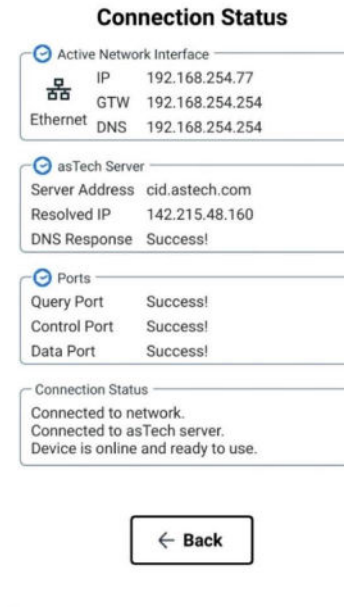
 Network Status  Settings

Troubleshooting Connecting to asTech Servers

Connection troubleshooting is now available on the Gen3 under Network Settings → Connection Status.

Pages 9–12 illustrate the various possible failures in the Connection Process

There should be 3 Repairify Checkmarks on the Connection Status page as illustrated below.



The « Connection Status » Box at the bottom of the screen gives a brief description of the state of the connection.

Failed to acquire an IP Address

When configured for DHCP but does not receive an IP address for the network.

When The Device has successfully joined a Network (Ethernet or Wi-Fi), but cannot communicate.

Have the customer check with their IT department to check their DHCP Server for available addresses

Connection Status

✖ Active Network Interface

Wi-Fi

IP 169.254.254.101
GTW 0.0.0.0
DNS 0.0.0.0

✖ asTech Server

Server Address cid.atech.com
Resolved IP Not Completed
DNS Response Not Completed

✖ Ports

Query Port Not Connected
Control Port Not Connected
Data Port Not Connected

Connection Status

Failed to acquire IP address.
Check DHCP Server or
set a Static IP under "IP Settings"

← Back

If you need to assign a Static IP
address to the device, go to Settings →
IP Settings, although this is not
common.

Failed to Resolve Server Address

When The Device has requested the IP address for cid.astech.com (or other) but did not get a positive answer.

The DNS server on the customer's network is responsible for this action.

The IT department for the customer will ultimately have to resolve this error.

Connection Status

Active Network Interface

Wi-Fi

IP 192.168.254.35 (DHCP)
GTW 192.168.254.254
DNS 192.168.254.254

asTech Server

Server Address cid.astech.com
Resolved IP Not Completed
DNS Response Host not found

Ports

Query Port Not Connected
Control Port Not Connected
Data Port Not Connected

Connection Status

Unable to resolved server address.
Validate network interface
Validate internet connection.

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Possible Responses:

1. Host not found - Validate the IP for DNS server in Active Interface is what the customer expects.
2. Host not Found, Server Fail - Ensure the DNS server at the IP address listed is functioning as expected.
3. Non-Recoverable Errors - An internal error has been returned from the DNS server.

Failed to Connect to asTech Server

The connection status of each of the TCP ports can help detect possible Firewall issues.
 If one of the ports fails to connect, the TCP port is listed to check in the firewall.
 The IT department for the customer will ultimately have to resolve these error(s).

Connection Status

Active Network Interface

IP 192.168.254.35 (DHCP)

GTW 192.168.254.254

Wi-Fi

DNS 192.168.254.254

asTech Server

Server Address cid.atech.com

Resolved IP 142.215.48.160

DNS Response Success!

Ports

Query Port Failed!

Control Port Not Connected

Data Port Not Connected

Connection Status

Could not connect to asTech server.
Possible Firewall issue.
Validate OUTGOING TCP allowed on Port 60000

← Back

Connection Status

Active Network Interface

IP 192.168.254.35 (DHCP)

GTW 192.168.254.254

Wi-Fi

DNS 192.168.254.254

asTech Server

Server Address cid.atech.com

Resolved IP 142.215.48.160

DNS Response Success!

Ports

Query Port Success!

Control Port Failed!

Data Port Not Connected

Connection Status

Could not connect to asTech server.
Possible Firewall issue.
Validate OUTGOING TCP allowed on Port 60001

← Back

Connection Status

Active Network Interface

IP 192.168.254.35 (DHCP)

GTW 192.168.254.254

Wi-Fi

DNS 192.168.254.254

asTech Server

Server Address cid.atech.com

Resolved IP 142.215.48.160

DNS Response Success!

Ports

Query Port Success!

Control Port Success!

Data Port Failed!

Connection Status

Could not connect to asTech server.
Possible Firewall issue.
Validate OUTGOING TCP allowed on Port 60002

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supporteu@repairify.com

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Over Temperature Warning

If the Device's internal temperature gets too hot, it will need to cool down before continuing use.

Three levels of Warning Indicators are shown to the user as the Device heats up.

1:33 PM Dec 03, 2025 81°C



Status
Connected and Waiting

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.034V

Connection

IP Address	192.168.254.35
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

Network Status Settings

1:33 PM Dec 03, 2025 86°C



Status
Connected and Waiting

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.033V

Connection

IP Address	192.168.254.35
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

Network Status Settings

1:33 PM Dec 03, 2025 91°C



Status
Connected and Waiting

Tool

Connected to	1G1JC5444R7252367
Serial Number	300
Voltage	12.033V

Connection

IP Address	192.168.254.35
Network Delay	0 ms
Averaged Delay	0.0 ms
Transmitted	0
Received	0

Network Status Settings

Like all electronic devices, it is best to avoid placing/keeping in direct sunlight.