The 6.1.42 firmware release supports the following configurable options via the Serial Interface.

Enable/Disable Local Authentication
Enable/Disable/Configure IPv4 Management Address/Gateway
Enable/Disable/Configure IPv4 TACACS Primary Authentication
Enable/Disable/Configure IPv4 TACACS Secondary Authentication
Enable/Disable/Configure IPv6 Management Address/Gateway

The units are shipped with the following defaults:

- Default username/password (admin/gtadmin1)
- Local Authentication enabled
- IPv4 management enabled
- The IPv6 management disabled
- IPv4 TACACS Primary Authentication disabled
- IPv4 TACACS Secondary Authentication disabled

The following procedure options are discussed and may be performed as part of the initial turn up.

1. Connect to the Serial Interface
2. Enable/Disable/Configure IPv4 Management Address/Gateway
3. Enable/Disable/Configure IPv6 Management Address/Gateway
4. Enable/Disable Local Authentication
5. Enable/Disable/Configure IPv4 TACACS Primary Authentication
6. Enable/Disable/Configure IPv4 TACACS Secondary Authentication
7. Launch the GUI

1. Connect to the Serial Interface

1. Connect a Serial cable from a COM port on the laptop or PC to the Serial Interface on the unit.
2. Launch Putty and configure the Serial connection as follows:

Speed (baud)	115200
Data bits	8
Stop bits	1
Parity	None
Flow Control	XON/XOFF

3. Press enter, and the unit will respond with the login prompt.
4. Enter the default username/password, (admin/gtadmin1). The Main Menu will be displayed.

```
Garland Technology  INT1G24TXDD6SFE-AC (Code Version: 6.1.42)

Main Menu

Select:

1. Authentication
2. NetworkConfig
3. System reboot
s. sysinfo
0. Logout

Select:
```


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2. Enable/Disable/Configure IPv4 Management Address/Gateway

The IPv4 management interface is enabled by default with a default IPv4 address/gateway, 10.10.10.200/10.10.10.1. The IPv4 and IPv6 management interfaces may be enabled simultaneously.

Disable IPv4 Management Interface

1. Enter 2. NetworkConfig
2. Enter 2. ipv4 config
3. Enter 1. disable ipv4
4. Enter a. apply new config

Enable IPv4 Management Interface

1. Enter 2. NetworkConfig
2. Enter 2. ipv4 config
3. Enter 1. enable ipv4
4. Enter a. apply new config

Configure IPv4 Management Address/Gateway/MTU

1. Enter 2. NetworkConfig
2. Enter 2. ipv4 config
3. Enter 2. ip address
4. Select the backspace button on the keyboard and remove the current IPv4 address
5. Enter the desired IPv4 address (www.xxx.yyy.zzz/xx)
6. Press Enter
7. Enter 3. gateway
8. Select the backspace button on the keyboard and remove the current IPv4 gateway
9. Enter the desired IPv4 gateway
10. Press Enter
11. Enter 5. Mtu
12. Select the backspace button on the keyboard and remove the current MTU value.
13. Enter the desired MTU value.
14. Press Enter
15. Enter a. apply new config

3. Enable/Disable/Configure IPv6 Management Address/Gateway

The IPv6 management interface is disabled by default with a default IPv6 address/gateway,

Example: *fe80:0000:0000:0000:f293:c5ff:fef2:523e/10* *fd10:1010:1000:ffff:ffff:ffff:ffff:ffff*

The IPv6 and IPv4 management interfaces may be enabled simultaneously.

Enable IPv6 Management Interface

1. Enter 2. NetworkConfig
2. Enter 3. ipv6 config
3. Enter 1. enable ipv6
4. Enter a. apply new config

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Disable IPv6 Management Interface

1. Enter 2. NetworkConfig
2. Enter 3. ipv6 config
3. Enter 1. disable ipv6
4. Enter a. apply new config

Configure IPv6 Management Address/Gateway

1. Enter 2. NetworkConfig
2. Enter 3. ipv6 config
3. Enter 2. ipv6 address
4. Select the backspace button on the keyboard and remove the current IPv6 address
5. Enter the desired IPv6 address
6. Press Enter
7. Enter 3. gateway
8. Select the backspace button on the keyboard and remove the current IPv6 gateway
9. Enter the desired IPv6 gateway
10. Press Enter
11. Enter a. apply new config

4. Enable/Disable Local Authentication

Local authentication is enabled by default.

Disable Local Authentication

1. Enter 1. Authentication
2. Enter 1. local authentication off
3. Enter a. Apply

Enable Local Authentication

1. Enter 1. Authentication
2. Enter 1. local authentication on
3. Enter a. Apply

5. Enable/Disable/Configure IPv4 TACACS Primary Authentication

The IPv4 TACACS+ Primary Authentication is disabled by default with a default IPv4 address, 10.10.10.200.

Enable/Configure IPv4 TACACS Primary Authentication

1. Enter 1. Authentication
2. Enter 2. Primary TACACS Menu
3. Enter 1. TACACS Authentication on
4. Enter 2. Change TACACS server IP
5. Press the backspace button on the keyboard and remove the current TACACS IP address
6. Enter the desired TACACS IP address
7. Press Enter
8. Enter 3. Change TACACS server secret. (optional)
9. Press the backspace button on the keyboard and remove the current TACACS secret
10. Enter the desired TACACS secret

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11. Press Enter
12. Enter 4. Change TACACS server timeout
13. Enter the desired TACACS timeout (5-60 seconds)
14. Press Enter
15. Enter a. Apply
16. Enter 4. ping www.xxx.yyy.zzz, (optional)
17. Enter 5. test TACACS to www.xxx.yyy.zzz, (optional)
17a. Enter Username
17b. Press Enter
17c. Enter Password
17d. Press Enter

Disable IPv4 TACACS Primary Authentication

1. Enter 1. Authentication
2. Enter 2. Primary TACACS Menu
3. Enter 1. TACACS Authentication off
4. Enter a. Apply

6. Enable/Disable/Configure IPv4 TACACS Secondary Authentication

The IPv4 TACACS Secondary Authentication is disabled by default with a default IPv4 address, 10.10.10.200.

Enable/Configure IPv4 TACACS Secondary Authentication

1. Enter 1. Authentication
2. Enter 3. Secondary TACACS Menu
3. Enter 1. TACACS Authentication on
4. Enter 2. Change TACACS server IP
5. Press the backspace button on the keyboard and remove the current TACACS IP address
6. Enter the desired TACACS IP address
7. Press Enter
8. Enter 3. Change TACACS server secret. (optional)
9. Press the backspace button on the keyboard and remove the current TACACS secret
10. Enter the desired TACACS secret
11. Press Enter
12. Enter 4. Change TACACS server timeout
13. Enter the desired TACACS timeout (5-60 seconds)
14. Press Enter
15. Enter a. Apply
16. Enter 4. ping www.xxx.yyy.zzz, (optional)
17. Enter 5. test TACACS to www.xxx.yyy.zzz, (optional)
17a. Enter Username
17b. Press Enter
17c. Enter Password
17d. Press Enter

Disable IPv4 TACACS Secondary Authentication

1. Enter 1. Authentication
2. Enter 2. Primary TACACS Menu
3. Enter 1. TACACS Authentication off
4. Enter a. Apply

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7. Launch the GUI

1. Launch the web browser on the laptop or PC
2. Enter the URL for the desired Garland unit
3. Press Enter
4. Enter the default username/password, (admin/gtadmin1)

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