

GPRS/Ethernet Programming TL260GS for PowerSeries

This is NOT a replacement for the Installation manual – it is simply a “Help Note”

You should read the Manual and have an understanding of Network terminology before attempting any installation

Things you need before you start:

- You will need a Laptop or PC loaded with DLS 5
- You should be using a PK5500 Full LCD keypad to help you in programming the panel
- Your panel must be a DSC PC1616/1832/1864 v4.1 or higher
- The Panel's Installer Code (default: 5555) Installer Code: ____
- The Monitoring Receiver's IP Address Receiver IP: ____ . ____ . ____ . ____
- The Monitoring Account Code Account Code: ____
- The Monitoring Receiver Port (default 3061) Port: ____
- SIM Card – Vodafone or 2 Degrees (Telecom SIM cards are **NOT** compatible)
- The GPRS providers Public Access Point Name (APN)
 - Vodafone APN = www.vodafone.net.nz
 - 2 Degrees APN = internet

Note: The APN is case sensitive - program it in lower case.

Note: The Monitoring Receiver Port MUST be entered in Hexadecimal if entering using keypad; port 3061 = 0BF5

Important: SIM card MUST be initialised first AND must also be inserted BEFORE TL260GS module is powered up!

If, instead of DHCP, you are using a **Fixed IP** address, you will also need

- A new local IP address for the TL260GS module TL260GS IP: ____ . ____ . ____ . ____
- The local network's Subnet Mask Subnet Mask: ____ . ____ . ____ . ____
- The local network's Gateway Address Gateway IP: ____ . ____ . ____ . ____

Panel Programming:

Enter Programming [*][8] then [Installer Code]

Enter Section -> [167], change to 060 – this is the GPRS/Ethernet wait time for acknowledgement

[301], enter to 'DCAA' – this will call ALL Receivers enabled in section [851][006]

- or enter 'DCBB' – this will call ONLY Ethernet Receiver 1 – (panel v4.5 or higher)
- or enter 'DCCC' – this will call ONLY Ethernet Receiver 2 – (backup receiver, v4.5 or higher)
- or enter 'DCDD' – this will call ONLY GPRS Receiver 1 – (panel v4.5 or higher)
- or enter 'DCEE' – this will call ONLY GPRS Receiver 2 – (backup receiver, v4.5 or higher)

[310], enter the Monitoring Account Code followed by 'FF'

[311]-[318], - enter the Monitoring Account Code for the Partitions being used (Partition 1-8)

[350], change the communication format to '04' SIA Format

[380], ensure option '1' is ON – enables panel communication

[382], ensure option '5' is ON – enables the GPRS/Ethernet Module

Note: [301]-[303], The Leading 'D' is entered by default - do NOT delete it.

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TL260GS GPRS Programming:

GPRS programming is done using DLS 5 software

Direct connect to TL260GS and fully upload the TL260GS first, then make the following changes

[005], ensure option '4' is OFF

[006], ensure option '4' is ON – this enables GPRS Receiver 1

- (Option '5' enables GPRS Receiver 2 – optional) – **toggle OFF if not used**

[021], enter the Monitoring Account Code followed by 'FF'

[201], enter 6 zero's (00 00 00) followed by the Monitoring Account Code

[203], enter the Monitoring Receiver IP Address

[204], enter the Monitoring Receiver Port

[205], enter the APN for the mobile SIM provider

Download changes to the TL260GS

Note: The GPRS section can be programmed using the keypad; however the APN can ONLY be programmed using DLS 5.

TL260GS Ethernet Programming:

Enter Programming [*][8] then [Installer Code] **OR** can also be done using DLS 5 software

Enter Section -> [851], to program the TL260GS module

If using **DHCP**, only program the following sections:

[005], ensure option '4' is OFF

[006], ensure option '1' is ON – this enables Ethernet Receiver 1

- (Option '2' enables Ethernet Receiver 2 – optional) – **toggle OFF if not used**

[021], change to Monitoring Account Code followed by 'FF'

[101], enter 6 zero's '00 00 00' followed by the Monitoring Account Code

- ([111], Receiver 2 Account Code – optional)

[103], enter the Monitoring Receiver IP Address

- ([113], Receiver 2 IP Address – optional)

[104], enter the Monitoring Receiver Port

[999], then enter [55], this step will restart the TL260GS module to let changes take effect

The restart will take about 60 seconds.

Note: If using DHCP, sections [001]-[003] must be left default!

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If using a **Fixed IP** address, then program **ALL** the following sections:

[001], enter the new local IP Address for the TL260GS module

[002], enter the local Subnet Mask

[003], enter the local Gateway IP Address

[005], ensure option '4' is OFF

[006], ensure option '1' is ON – this enables Ethernet Receiver 1

- {Option '2' enables Ethernet Receiver 2 – optional) – **toggle OFF if not used**

[021], enter the Monitoring Account Code followed by 'FF'

[101], enter 6 zero's '00 00 00' followed by the Monitoring Account Code

- ([111], Receiver 2 Account Code – optional)

[103], enter the Monitoring Receiver IP Address

- ([113], Receiver 2 IP Address – optional)

[104], enter the Monitoring Receiver Port

[999], then enter [55], this step will restart the TL260GS module to let changes take effect

The restart will take about 60 seconds.

TROUBLE INDICATION	TROUBLE/POSSIBLE CAUSES	TROUBLE POSSIBLE SOLUTION
All 4 LEDs OFF	No Power	Check your power connections to the control panel and the Communicator module. Confirm PC-LINK cable is properly attached.
Yellow LED – ON Solid	Insufficient Signal Strength	- Ensure the antenna is securely connected to the radio. Check cable connection to radio. - If a whip antenna is used ensure the antenna is securely screwed on to the antenna cable connector and internally connected to radio. - Confirm that GSM network service is active in your area.
Yellow LED – 2 Flashes	Panel Supervision Trouble	- Check Section [382]Toggle Option[5] is set to ON.(GPRS/Ethernet Module Enabled) - Ensure the PC-Link cable between the control panel and Communicator is connected properly (not reversed) and is securely in place.
Yellow LED - 4 Flashes	Lockout Trouble	The SIM card has incorrect PIN programmed or has a PIN that the module does not recognize. Try a different SIM card.
Yellow LED – 5 Flashes	GSM Trouble	- Confirm that GSM service is available and active in your area. - Check antenna connections. - Ensure there is adequate radio signal strength. - Ensure the SIM card is properly inserted into the SIM card holder. - Ensure the SIM card has been activated. - If this trouble persists, you must relocate the Communicator , or install an external antenna extension kit.
Yellow LED – 6 Flashes	Ethernet Trouble	- Check with your ISP to confirm network service is active in your area. - Ensure your Ethernet cable is securely inserted into the RJ45 jack of the Communicator and the Hub/Router/ Switch. - Check the link light on the Hub is ON . If link light is OFF, try restarting the HUB. If problem persists, replace the Ethernet cable. - If DHCP is used, ensure that the unit has an assigned IP address from the server. In Panel Section [851] [992] verify a valid IP address is programmed. If not contact the Network administrator.
Yellow LED – 7 Flashes	Receiver Not Available	- Ensure that the Ethernet path has internet connectivity. - Confirm that SIM does not have a custom APN. The unit will not allow connection to the internet with custom APNs. - If you are using a static IP address make sure the gateway and subnet mask are entered correctly. - If the network has a firewall, ensure the network has the programmed outgoing ports open (Default UDP Port 3060 and Port 3065) - Ensure that all the receivers are programmed for DHCP or have the proper IP address and port number. - Ensure the GPRS Receiver APNs have been programmed with the Access Point Name provided by your GSM provider.
Yellow LED – 8 Flashes	Receiver Supervision Trouble	- This trouble is indicated when supervision is enabled and the unit is not able to successfully communicate with the receiver. - If this trouble persists, contact your central station.
Yellow LED - 9 Flashes	FTC Trouble	- The unit has exhausted all communications attempts to all programmed receiver for events generated by the Communicator. - Restart the system, if trouble persists, contact your dealer.
Yellow LED – 11 Flashes	Remote Programming	- The LEDs will flash when a remote firmware upgrade is in progress over Ethernet or GPRS. The LEDs will extinguish when update is complete. - The LEDs will flash to indicate a remote DLS programming session is active over Ethernet or GPRS. The LEDs will extinguish when the DLS session has been successfully terminated.
Yellow LED – 12 Flashes	Module Configuration Trouble	This indication appears when Section [021] System Account Code or Section [101]; [111]; [201]; and [211] Receiver Account Code have not been programmed. Ensure that a valid account code has been entered in these Sections.
All LEDs flashing together	Boot Loader Failed	Disconnect then reconnect power to the Communicator module.
Red and Yellow LEDs flashing at the same time	Initialization Sequence	- The unit is still initializing please wait while the unit establishes a connection to all programmed receivers. - Note that this process may take several minutes.
Only Green LEDs flashing	Hardware Default Jumper	The hardware default jumper must be removed.