



GS2065/TL265GS

Technical Training Guide

International Version

GS2065

Overview:

The GS2065 provides primary or backup GSM/GPRS communication for the PC9155 2-way wireless security suite

Specifications:

- Dimensions : 3.937"x5.875"x0.625" (100mmx150mmx15mm)
- Weight : 68 g
- Input Voltage : 10 to 13.8 V (from the PC-Link header)
- Current Draw : 100 mA at 12V (400 mA during the GSM transmission)
- Operating Environment : 40 to 104 F (5 to 40 C)

Features:

- Back up and primary GSM/GPRS alarm communication
- Panel remote uploading/downloading support via GSM/GPRS
- Supervision heartbeats via GSM/GPRS
- 128-bit AES encryption over GSM/GPRS
- Full event reporting
- Installer Code
- SIA format
- PC-Link connection
- Carrier Lock and SIM Lock*
- Signal strength and trouble display
- Advanced remote and local programming via DLS IV
- Quad-Band: 850 MHz, 1900 MHz, 900 MHz and 1800 MHz

*Both features are pre-programmed features and available upon request of specific carrier networks



Compatible Receivers:

- Sur-Gard System I Receiver: version 1.10 and higher
- Sur-Gard System II Receiver: version 2.00 and higher
- Sur-Gard SG-DRL3-IP: version 2.20 and higher (for Sur-Gard System III Receiver)

TL265GS

Overview:

The TL265GS is an Internet and GSM/GPRS Dual-Path alarm communicator for the PC9155 2-way wireless security suite

Specifications:

- Dimensions : 3.937"x5.875"x0.75" (100mmx150mmx18mm)
- Weight : 78 g
- Input Voltage : 10 to 13.8 V (from the PC-Link header)
- Current Draw : 100 mA at 12V (400 mA during the GSM transmission)
- Operating Environment : 40 to 104 F (5 to 40 C)

Features:

- Fully redundant Internet and GSM/GPRS dual-path alarm communication
- Integrated call routing
- Panel remote uploading/downloading support via GSM/GPRS
- Supervision heartbeats via GSM/GPRS and Internet
- 128-bit AES encryption via GSM/GPRS and Internet
- Full event reporting
- Installer Code
- SIA format
- PC-Link connection
- Carrier Lock and SIM Lock*
- Signal strength and trouble display
- Advanced remote and local programming via DLS IV
- Quad-Band: 850 MHz, 1900 MHz, 900 MHz and 1800 MHz

*Both features are pre-programmed features and available upon request of specific carrier networks

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Installation – GS2065/TL265GS

BEFORE YOU BEGIN

Have the following ready before initializing the system:

- Control panel backup battery
- Battery connection harness
- Batteries for WT5500 2-way wireless keypad
- Screwdriver
- PC-LINK Kit (PCLINK-5WP)*

* PCLINK-5WP Kit includes:

- PCLINK Header (female)
- RJ11 Cable
- Serial Header (DB 9)
- Transformer (w/ connector to PCLINK header)
- 4 power plugs (international plugs)

Summary of Installation Steps

Step 1 – Connect the PCLINK-5WP cable between the computer and GS2065/TL265GS

Step 2 – Program the GS2065/TL265GS using DLS IV

Step 3 – Insert the SIM card in the GS2065/TL265GS

Step 4 – Connect the GS2065/TL265GS to the PC9155

Step 5 – Program Communication Sections on the PC9155 via keypad

Installation

Step 1

Step 1 – Connect the GS2065/TL265GS to the DLS computer using the PCLINK-5WP

- If connected to the PC9155, power down the PC9155 and remove the PC-LINK connection
- Insert the PCLINK-5WP header to GS2065/TL265GS
- Connect the DB9 serial connector to the DLS computer
- Apply power to the PCLINK-5WP

Installation

Step 2

Step 2 – Program the GS2065/TL265GS

Step 2.1 – Open DLS IV

Step 2.2 – Create an account

- Select 'New Account'
- Enter the account details
 - Account Name
 - Panel Type (Communicator Module)
 - Connection Type (TL Network)

Account Name

Panel Type

Connection Type

The screenshot shows the 'Create New Account (Basic)' dialog box. The 'Account Info' section contains the following fields:

- Account Name: [Empty text box]
- Account Group: [Root]
- Panel Type: [TL265GS v1.0]
- Connection Type: [TL Network]
- IP: [127.0.0.1]
- Account Template: [(none)]

At the bottom, there is a checked checkbox for 'Automatically Open Account', an 'Advanced' button, a 'Create' button, and a 'Cancel' button.

Installation

Step 2.3 – Module IP Address

- Enter the IP address for the module

Communicator IP Address

192. 168. 5. 156

Installation

Step 2.4 – Enter SMS Details

- Change 'Connection Type' to 'SMS'
- Enter a 'User Name'
- Enter a 'Password'
- Select 'Create'

The screenshot shows a 'Create New Account (Basic)' dialog box with the following fields and values:

- Account Name: dsc
- Account Group: Root
- Panel Type: TL265GS v1.0
- Connection Type: SMS
- User Name: anyone@dsc.com
- Password: *****
- Account Template: (none)
- Automatically Open Account:
- Buttons: Advanced, Create, Cancel

Yellow callout boxes highlight the 'Connection Type', 'User Name', 'Password', and 'Create' button.

Installation

Step 2.5 – Program the GS/IP options

- The account will open
- Select the 'GS/IP' tab
- Enter the required information in the 'GS/IP Options' screen

(see details about the option in the product manual)

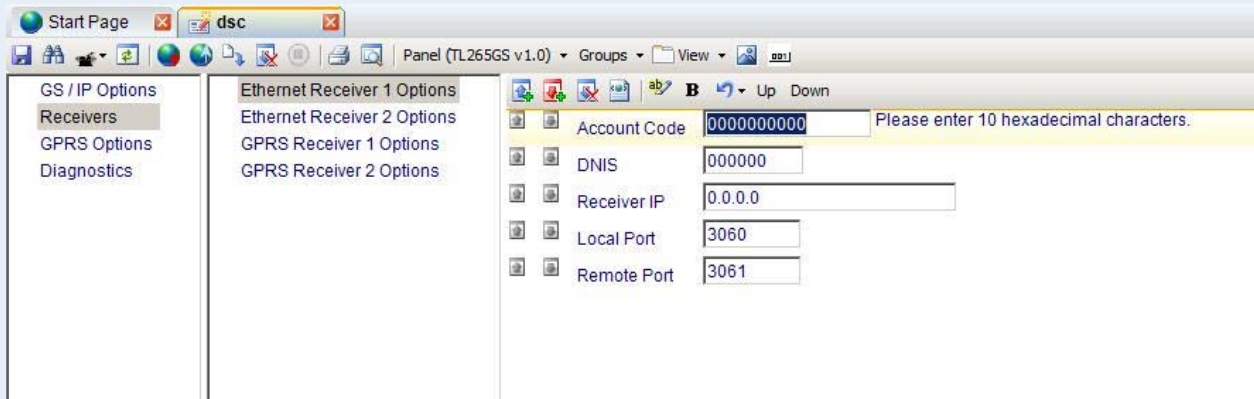
| Option | Value |
|--------------------------------|---|
| Static IP Address | 0.0.0.0 |
| Subnet Mask | 255.255.255.0 |
| Gateway IP Address | 0.0.0.0 |
| Heartbeat Interval | 0 |
| Ethernet Receiver 1 Supervised | <input type="checkbox"/> No |
| GPRS Receiver 1 Supervised | <input type="checkbox"/> No |
| Heartbeat Type | Residential |
| Primary Communication Path | Ethernet Primary |
| Redundant Communications | <input type="checkbox"/> No |
| Remote Firmware Upgrade | <input checked="" type="checkbox"/> Yes |
| UL Firmware Upgrade | <input type="checkbox"/> No |
| DLS Incoming Port | 3062 |
| Firmware Version | 01000100 |
| MAC Address | |
| Phone Number | |
| IMEI | |
| DLS Outgoing Port | 3066 |
| Ethernet Gateway Address | 0.0.0.0 |
| Installer Code | CAFE |
| SIM Number | |

Installation

Step 2.6 – Program the Receiver options

- Enter the required information in the 'Receivers' screen

(see details about the option in the product manual)

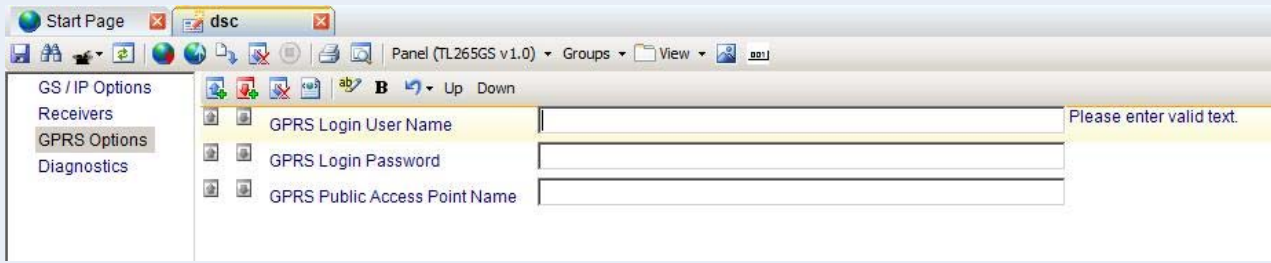


Installation

Step 2.7 – Program the GPRS options

- Enter the required information in the 'GPRS Options' screen

(see details about the option in the product manual)

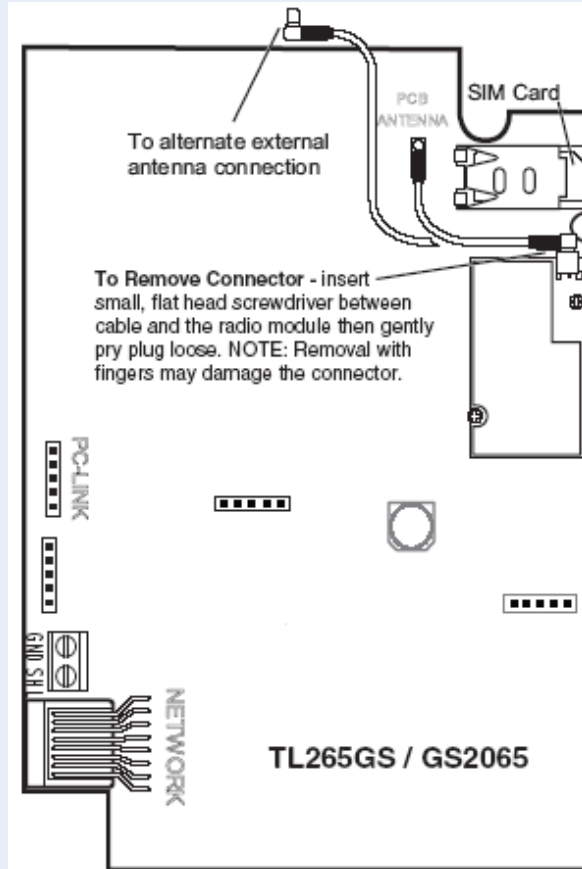


Installation

Step 3

Step 3 – Insert the SIM card

Ensure that the GS2065/TL265GS is powered down before inserting the SIM card

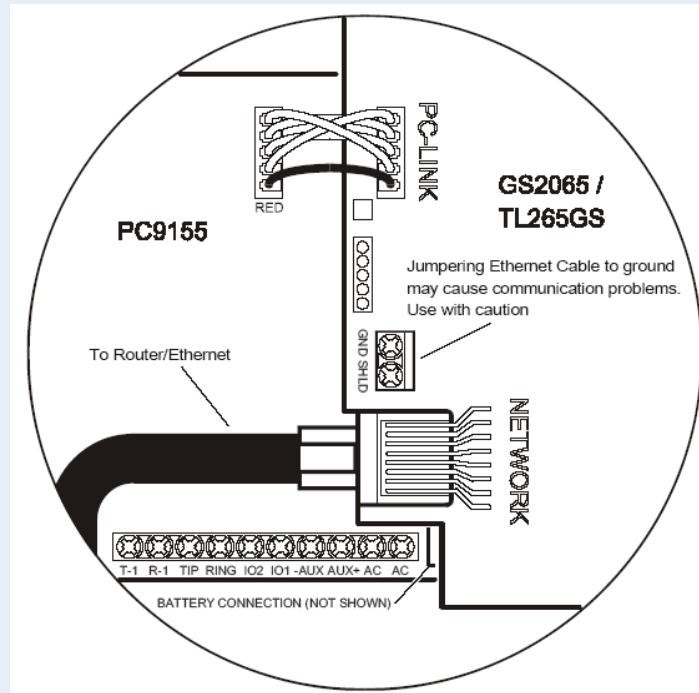


Installation

Step 4

Step 4 – Connect the GS2065/TL265GS to the PC9155

If using the TL265GS, ensure that the ethernet cable is also connected



Installation

Step 5

Step 5 – Program Communication Section on the PC9155 via keypad

Telephone Numbers:

- Section [301] – Telephone#1
- Section [302] – Telephone#2
- Section [303] – Telephone#3
- Section [305] – Telephone#4

Program the following into each telephone based on desired communication required:

- Option 1 – Telephone number, communications over telephone line
- Option 2 – **[DCAAF]** allows the system configuration to be determined by the **GSM/IP** module
- Option 3 – **[DCBBF]** to configure for **IP Receiver 1**
- Option 4 – **[DCCCF]** to configure for **IP Receiver 2**
- Option 5 – **[DCDDF]** to configure for **GPRS Receiver 1**
- Option 6 – **[DCEEF]** to configure for **GPRS Receiver 2**

Communications Format:

If Section [301] (above) is set to DCAA, Section [350] must be set to SIA

Section [350], enter [04]

Enable T-LINK Option:

Section [382], sub-option [5], 'T-Link Interface Enabled', must be set to On