

Collector GPRS is a portable electronic device, used for collecting, storing and transferring the data coming from Guardus™ G3, G5 e G7 to a computer. Collector GPRS has capacity to store 50 Guardus™ downloads. Data transmission to a PC can be made through the GSM/GPRS mobile phone system. To do this, Collector GPRS needs a SIM Card (not included) proper activation from GSM mobile operator. Data transmission also can be made through the USB Communication Cable using IrDA.

Collector GPRS Components

Collector GPRS has two collector interfaces and two indicating lights:

*COMM - red or green light.
GPRS - red or green light.*



Collector GPRS is powered by a lithium-polymer (Li-Polymer) rechargeable battery, placed on the backside of the device. This battery must be recharged when the Collector GPRS sounds a “beep” each 20 seconds (just like a cell phone does). A totally discharged battery takes approximately 4h30min to fully charge. When recharging has finished the COMM green light and GPRS green light will blink simultaneously.

Power supply input, used for battery charging.



NOTE: The Collector GPRS will not transmit the data while the charger is connected.

Transferring data to PC

Besides transmitting to a PC using a GSM/GPRS mobile system, Collector GPRS can transmit the data downloaded from the wands directly through an IrDA interface (if the GSM/GPRS is out-of-signal).

1 - Align the IrDA window of your interface (e.g., USB Communication Cable) with Collector GPRS IrDA window.

2 - Wait finishing the data transfer and for the confirmation sound signalling (three BIPS).



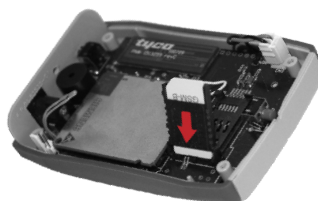
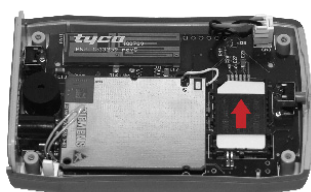


IMPORTANT: The data downloads through IrDA will only be viewed for GOL BUSINESS monitoring system users.

SIM Card chip Installation

To insert a SIM Card chip on Collector GPRS execute the following steps:

- 1 - Open the Collector GPRS backside cover removing the screws and disconnect the battery, holding and pulling the white connector.
- 2 - Under the battery you will find the SIM Card slot. Slide the SIM Card into the slot to insert it.
- 3 - Be sure that the SIM Card's metallic contacts are turned to the board.
- 4 - Slide the SIM Card support (as showed on the figure), until you feel it locks.
- 5 - Put back the battery with its rubber support, oriented on the initial position and aligned with the cover lids.
- 6 - Reconnect the battery.
- 7 - Screw the cover back.



Warning: Scratches and folds may damage the SIM Card chip. Be careful when inserting, removing or storing this chip. Be sure the battery is disconnected before insert or removal of the SIM Card chip. Check the battery and its rubber support position after opening the back cover, putting them back to the same position after SIM Card chip insertion.

Guardus Data Collecting

Collector GPRS is permanently active, for this reason it doesn't have an on-off switch.

To download data from Guardus™ G3 and G5 to Collector GPRS, follow these steps:

- 1 - Attach Guardus™ on the data collector interface, to download the stored data.
- 2 - Wait for the COMM red light and SUCCESS sound signal (PLIM), informing the communication beginning.
- 3 - Keep Guardus™ in contact with the data collector interface, while the COMM red light blinks. It means the data is being transferred to Collector GPRS.
- 4 - Wait for the sound 'Restart' (three BIPS), signaling the download has finished.
- 5 - Detach Guardus™ from Collector GPRS interface.
- 6 - Wait until the COMM green light and GPRS green light blink once, before downloading another device on Collector GPRS, repeating the cycle above, if needed.



To download data from Guardus™ G7 to Collector GPRS, follow these steps:

- 1 - Press the red button, on the side of Collector GPRS, to enable the IrDA interface.
- 2 - Wait for the COMM red light to turn on.
- 3 - Put Guardus™ G7 close to the Collector GPRS, aligning the IrDA interface with the light on the reader interface of the wand, to download stored data.
- 4 - Wait for the sound signal 'Success' (PLIM), informing the communication beginning.
- 5 - Keep Guardus™ in this position, aligned with the Collector GPRS IrDA interface, while the COMM red light blinks. It means the data is being transferred to Collector GPRS.
- 6 - Wait for the sound 'Restart' (three BIPS), signaling the download has finished.



Attention: Be sure you hear three BIPs from Guardus™ at the end of the communication. If you hear only one BIP, repeat the operation. If the maximum download store capacity has been reached, the IrDA and contact interfaces won't be enabled until you transmit at least one of these downloads stored on Collector GPRS memory.

Signalling Interpretation

Collector GPRS signals through lights its working status:

Signalling	Status
COMM red light blinks every five seconds	Collector GPRS active and waiting transmission or contact with a Guardus™
COMM red light turns on	Collector GPRS waiting to communicate with a Guardus™ or a command from PC for firmware updating
COMM red light blinks fastly	Data from Guardus™ being transmitted to Collector GPRS
COMM green light and GPRS green light blink once	Collector GPRS is ready to receive downloads from the next Guardus™
COMM green light and GPRS red light turn on	Collector GPRS starts to register with GSM operator
COMM red light and GPRS green light turn on	Collector GPRS starts GPRS communication
GPRS red light turns on	Collector GPRS waiting for the data transmission to begin or confirmation from GOL
GPRS green light turns on	Collector GPRS data being transmitted
GPRS green light blinks three times	Transmission completed and confirmed
GPRS red light blinks three times	Transmission interrupted
The two red lights blink simultaneously	Collector GPRS battery being charged
The two green lights blink simultaneously	Collector GPRS battery charge completed
COMM red light and GPRS green light blink and GPRS green light blinks once more	Pending download to be transmitted
COMM red light and GPRS red light blink and GPRS red light blinks twice more	Collector GPRS memory is full

Recycling



At the end of its lifetime, this device must be delivered in a collecting center for recycling, and not be disposed on a regular domestic trash can. You will be contributing for better environmental conditions.



Contronics Technologies Inc.
8121 NW 68th Street - Miami, FL, 33166 - USA
sales@contronics.com / www.contronics.com
October 2009