

GS4005, GS4005K, GS4015, 3G4005, 3G4005K, TL405LE Ver. 2.00.85

Version History

✓ **2.00.85** (2021/07/07)

New features:

- The communicator GS4005/GS4015 can now be supported by the ConnectAlarm App.

Bug fixes and minor changes:

- Fixed some issues about the PSTN simulator.

✓ **2.00.82** (2021/03/08)

Bug fixes and minor changes:

- Introduced the management of VoLTE calls and SMS over IP for the LTE Jio operator.
- “Best operator search” activation for LTE networks.
- Sending the Ethernet MAC address for SurGard receivers.
- Fixed minor issues.

✓ **2.00.79** (2020/07/23)

Communicators with firmware revision 1.20.12 or lower can be upgraded to firmware version 2.00.79. Please refer to the updated manuals that can be downloaded from the www.dsc.com/ website for the description of the new features supported by firmware version 2.00.79 relevant to the following models: GS4005, GS4005K, GS4015, 3G4005, 3G4005K.

New features:

- Possibility to have the following functionalities by using the ConnectAlarm App on Android or iOS mobile devices (see page 39 of the [installer manual](#)):
 - Activate and deactivate the communicator outputs;
 - View the status of the communicator inputs;
 - Display text messages when communicator events occur and restore;
 - View the Contact ID messages generated by the communicator;
 - Display text messages linked to Contact ID and SIA packets received from the control panel connected to the LI terminals of the communicator;
 - Display the Contact ID messages received from the control panel connected to the LI terminals of the communicator.

Bug fixes and minor changes:

- Fixed minor issues.

✓ **1.20.12** (2017/11/28)

New features:

- Improved and simplified CID/SIA conversion system with “dynamic” SMS text and vocal messages

WARNING: for communicators with a previous firmware version and CID/SIA conversion **already programmed, this function only** has to be programmed from scratch, due to new available parameters. The old CID/SIA programming, even if not removed, will be working no more with 1.20 firmware. Follow the [dedicated paragraph](#) at the bottom of this document for a guide to the firmware versions transition.

N.B.: all the remaining programming shall be left unmodified.

Bugfixes and minor changes:

- Fixed minor issues.

✓ **1.10.08** (2017/09/08)

New features

- Support for remote connection from DLS 5 to PowerSeries Neo alarm panels: added compatibility with V1.2 and V1.3 of PowerSeries Neo in the following variants:

MARKETS	AUS-NZ	LATAM	EMEA-APAC
	HS2XXX AUS	HS2016/32/64/128	HS2016/32/64/128 C
		HS2016/32/64/128 ARG	HS2016/32/64/128 CCC
		HS2016/32/64/128 BRA	HS2016/32/64/128 CE
			HS2016/32/64/128 EN
			HS2016/32/64/128 UK
			HS2016/32/64/128 SAF

Bugfixes and minor changes (all versions):

- Fibro protocol bug fix.

✓ **1.00.55** (2017/03/30)

Bugfixes and minor changes:

- New factory default values for the dial tone configuration and enabled roaming option.
- Extended the compatibility with more intrusion panels for the decoding of their events transmitted by Contact ID or SIA protocols.
- On 3G4005/EU and 3G4005K/EU models, improved the level setting of the signal transmitted over the audio channel of the cellular network for a better transmission quality. In case this firmware will update already installed communicators that use the audio channel functionalities, a new setting of the “Microphone Volume” parameter could be needed.

✓ **1.00.50** (2016/10/13)

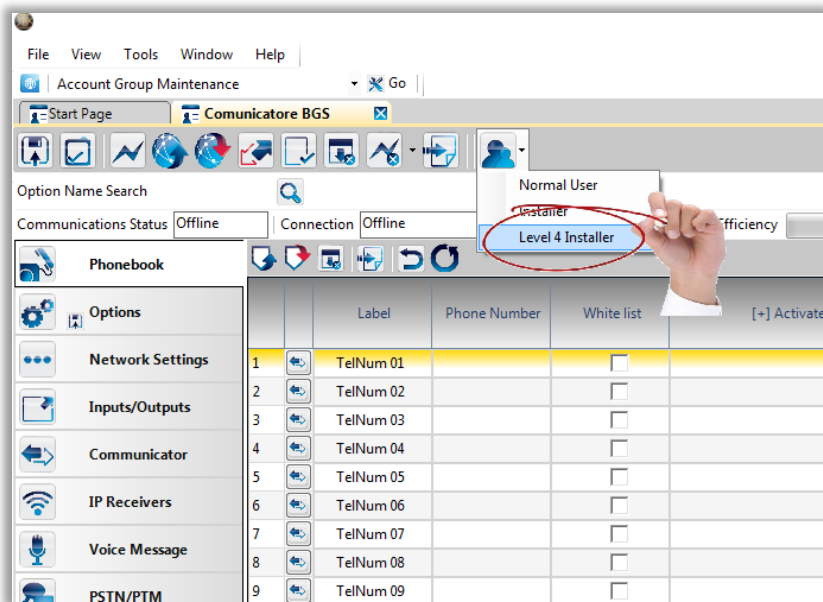
Bugfixes and minor changes:

- Improvements on management of CID packets incoming from third party panels.
- ✓ **1.00.49** (2016/07/14)
Bugfixes and minor changes:
- Improvements on USB communication.
- ✓ **1.00.42** (2016/06/14)
Bugfixes and minor changes:
- Integration with some panels improved for telephone numbers decoding.





Firmware Upgrade

Install firmware using the **DLS** PC software¹:

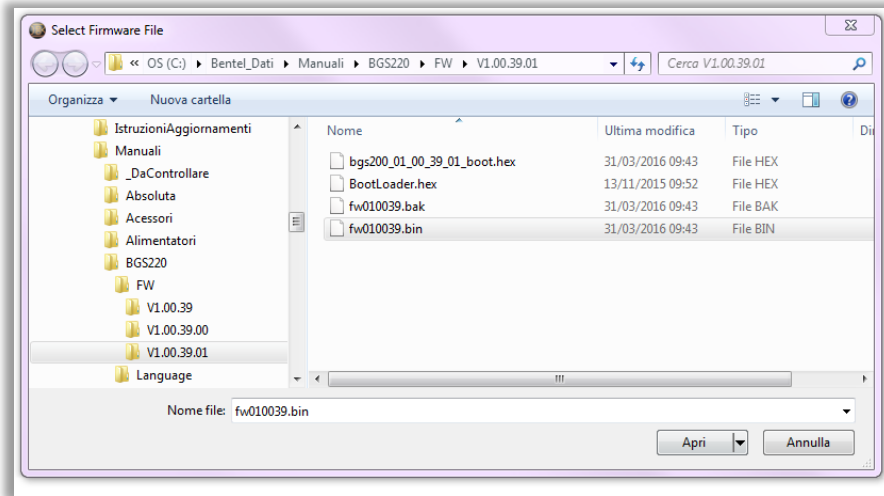
1. Open an account for a GS4005, GS4005K, GS4015, 3G4005, 3G4005K, TL405LE device;
2. Select the user type “Level 4 Installer”



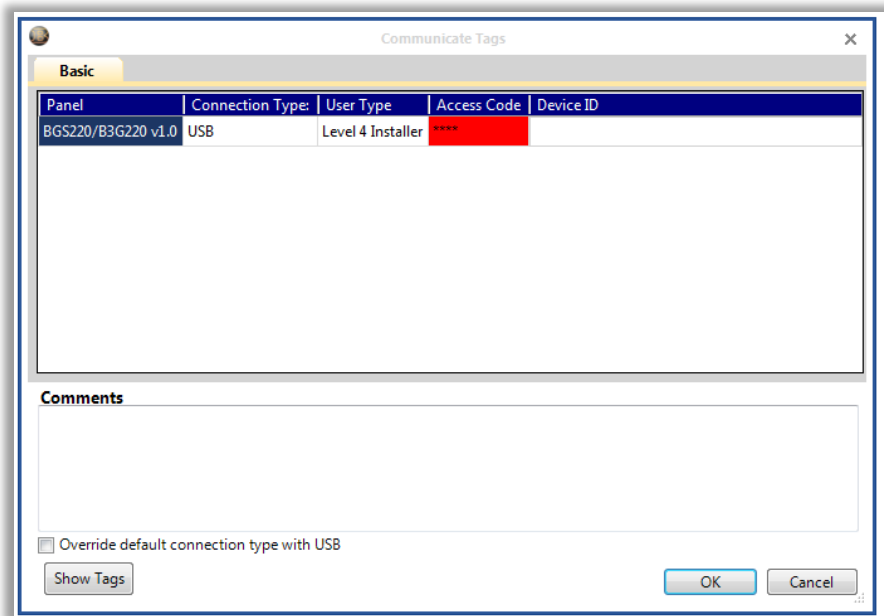
3. Select “Firmware Update” page and click on “Select Firmware File” button:

Option Name Search 	
Communications Status Offline	Connection Offline
 Options	Select Firmware File
 Firmware Update	Selected Firmware File Firmware Version Modified Date
 Status	

4. Select the file containing the firmware:




5. Follow the normal communication procedure to transfer it into the device:



As an alternative, only for devices with a USB Type A socket on board, you can update the firmware by means of a USB key. With reference to the Installer manual, these are the update steps:²

² The USB can ONLY be used if the communicator is in USB Host mode (see “Description of jumpers” on page 8 of the Installer Manual) and the EN50136 option is disabled (see “Options” on page 41 of the Installer Manual).

When a USB key is inserted into the communicator's USB port, the following folders are created (marked with the symbol )

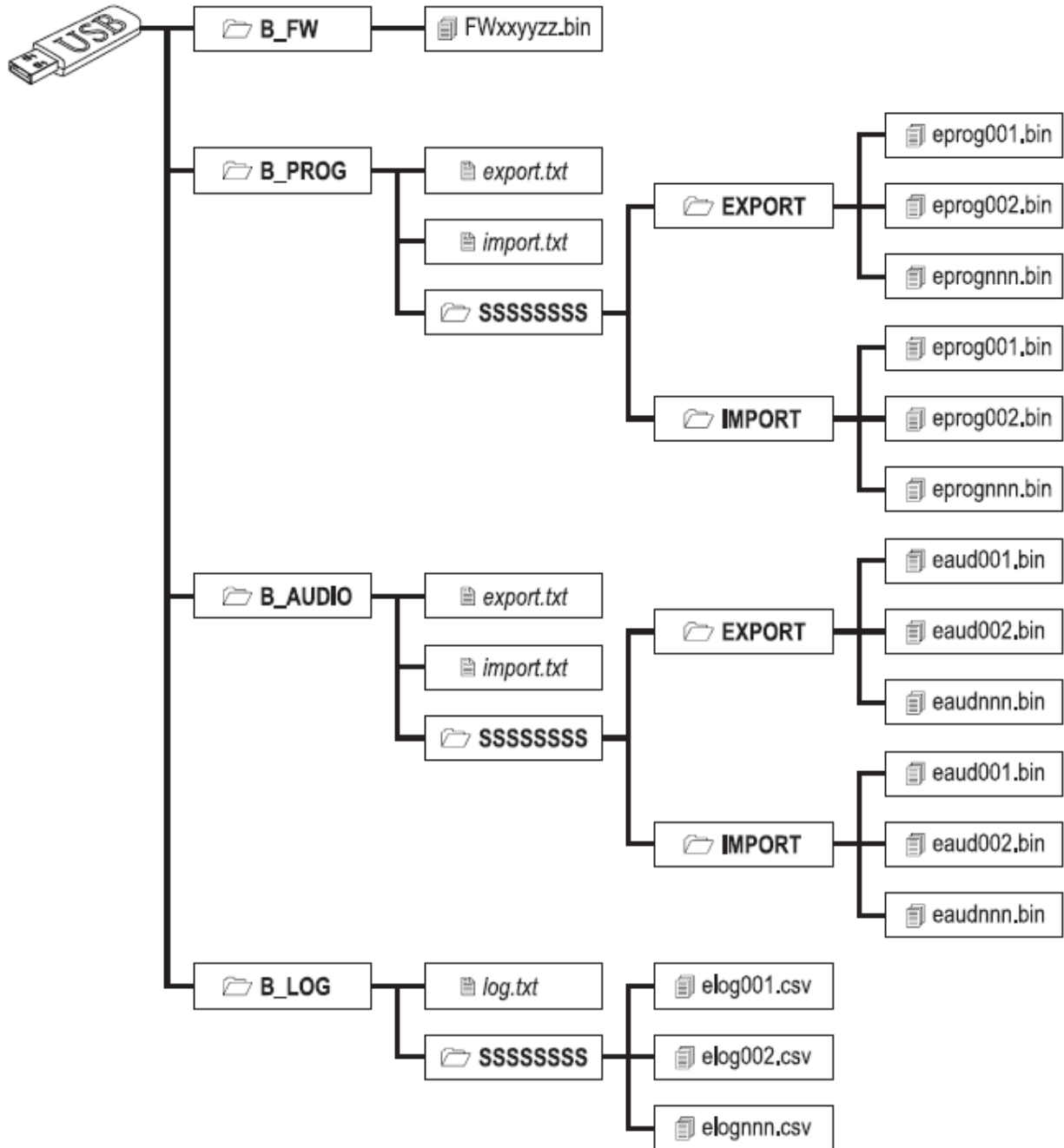


Figure 8 – File structure of a USB key used with the communicator.

SSSSSSSS represents the communicator's serial number (8 hex digits), so that a single USB key can hold data for several different communicators: each communicator will read/write to its own folder.

When a USB key is inserted into the communicator, the following procedure is executed:

1. Firmware update, if a valid firmware is in folder **B_FW**;
2. Communicator settings file export, if the file **export.txt** is in folder **B_PROG**;
3. Communicator settings file import, if the file **import.txt** is in folder **B_PROG**;
4. Communicator voice message export, if the file **export.txt** is in folder **B_AUDIO**;
5. Communicator voice message import, if the file **import.txt** is in folder **B_AUDIO**;
6. Communicator event buffer export, if the file **log.txt** is in folder **B_LOG**;


Firmware Update

This operation updates the communicator's firmware from a USB key.

1. Download the firmware from the site www.bentelsecurity.com.

The name of the firmware file has the format **FWxxyyzz.bin** where:


- **FW** identifies the file as firmware;
- **xx** is the higher revision number;
- **yy** is the lower revision number;
- **zz** is the test revision number;
- **.bin** is the extension for a binary file.

 *DO NOT rename the firmware file, otherwise the communicator will not recognise it.*

2. Copy the firmware into folder **B_FW** on the USB key.
3. Insert the key into the communicator's USB port.

If the communicator finds an invalid firmware in folder **B_FW**, the **ACT** LED will flash slowly and the event **Firmware Upgrade failed - System** is logged to the event buffer.

If the communicator finds a valid firmware in folder **B_FW**, which is also different from its current firmware, it will install it.

 *If more than one firmware file is in folder **B_FW**, the communicator will install the one with the highest revision number. If folder **B_FW** contains a firmware which is less recent than the current one installed on the Communicator, it is installed anyway: firmware updates allow you to install a more recent firmware or restore an older one than currently installed on the communicator.*

At the end of the process the communicator reboots and logs the event **FW upgrade done - System** in the event buffer.

Switch to the new CID/SIA conversion (ver. 1.20)

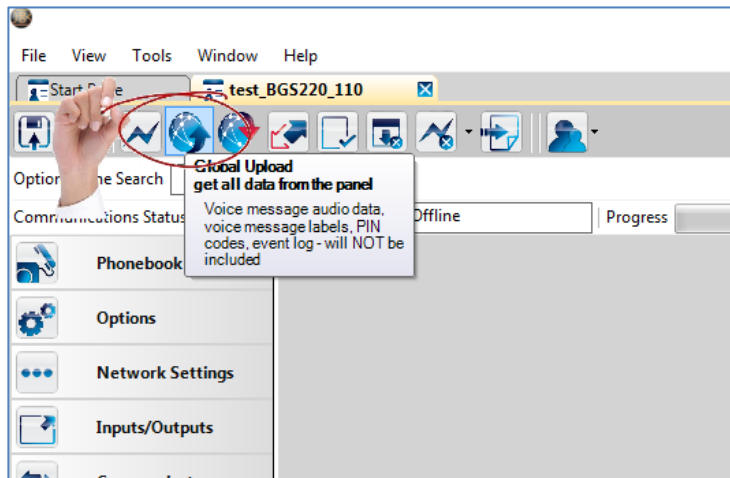
In the new 1.20 firmware, a new CID/SIA conversion functionality has been implemented, improving the user experience and enabling, for SMS and vocal messages actions, the use of static text or audio for each code and dynamic elements, taken from a dedicated table, for User, Zone and Area parameters. The programming, too, of such functionality has been greatly simplified in the dedicated page of the device programming software.

However, this new functionality is not compatible with previous firmware versions, due to new available parameters and due to the different composition of the actions, so, only for communicators with a previous firmware version and an **already programmed CID/SIA conversion**, you will have to program this functionality from scratch.

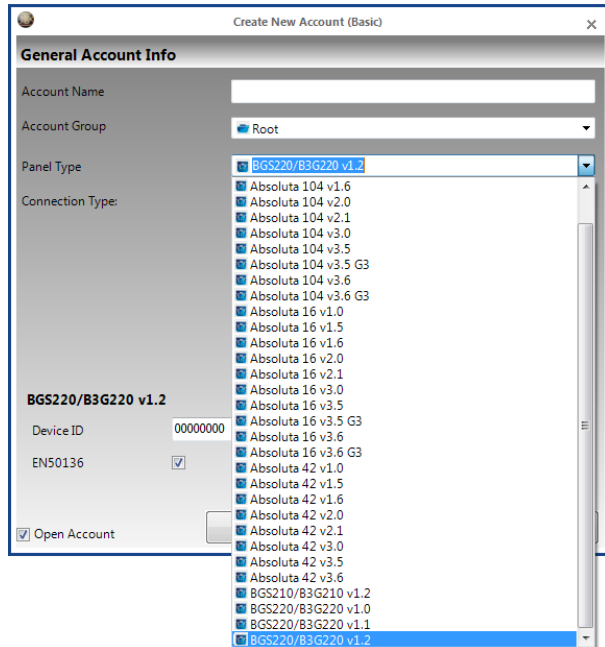
The old CID/SIA programming, even if not removed from memory, will be no more working with 1.20 firmware, but could be eventually restored (if you will not have done a values factory reset) by making a downgrade of the firmware to the 1.10 version.

The suggested steps for the upgrade to the 1.20 version of a 1.00 or 1.10 device with **already programmed CID/SIA conversion** will be the following:

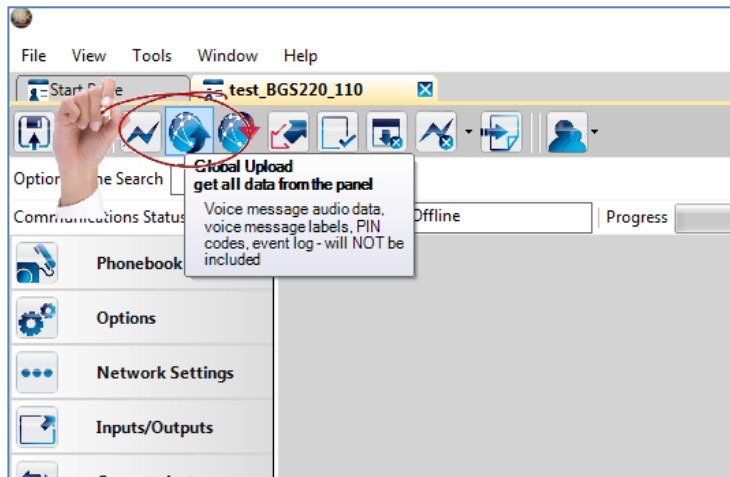
- 1) Connect the device with 1.00 or 1.10 version firmware to a pc with BOSS programming software (4.20 or upper version).
- 2) Open on BOSS the device account (1.00 o 1.10) and make a Global Upload:



- 3) Create a new 1.20 device account:



- 4) Proceed with the device firmware upgrade to 1.20 version, as described in the [dedicated paragraph](#).
- 5) Open on BOSS the just created 1.20 account and make a Global Upload:



WARNING: don't close the tab with the old 1.00 or 1.10 account.

- 6) All programmed options, except the CID/SIA conversion ones, will be loaded on the software. Proceed then to the new CID/SIA conversion programming:

File View Tools Window Help

Start Page test_BGS220_110 testbgs



Option Name Search

Communications Status Offline Connection Offline Progress Efficiency State

- Phonebook
- Options
- Network Settings
- Inputs/Outputs
- Communicator
- IP Receivers
- Voice Message
- PSTN/PTM
- Event Log
- Status

Communicator Options

- Inputs and Events
- CID/SIA Converter
- SMS

	Category	[+] Telephone Numbers	Activation
1	Alarms		
2	Tampers	TelNum 01	Testo di esempio
3	Openings and Closings		
4	System Troubles		

- Advanced
- Voice Calls
- Labels/Messages

