WOODWARD

easYgen-2000 FLASH Instruction

For trained personnel only! Updating the device software needs expert level. Otherwise, the device can become unusable or even cause error function that can lead into dangerous situation with genset.
DO NOT switch off the device until the flash procedure is explicitly mentioned as completely finished as described below
If the device to be updated is installed into a running genset system, it is mandatory that a genset control expert guarantees trouble free system setup during update process.
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IMPORTANT If firmware update process is however interrupted before it has finished, due to lost or switched off power supply, your device may be no longer able to operate. Note that you perform firmware update at your own risk.

1. Equipments and Tools

To make a flash update of the application software of an easYgen-2000 you need the following:

- PC or laptop computer with the Woodward software Toolkit installed (V6.3 or higher)
- Serial connection cable on RS232 (Null modem cable), connected to the easYgen-2000 which has to be powered up (12/24V)
- **NOTE**: Flashing an easYgen via RS-232 interrupts the RS-485 communication e.g. with other easYgens
 - Update file *.scp, provided by Woodward
 - Select operation mode "STOP"

1. Save configuration file (*.wset)

Open ToolKit with the corresponding wtool file and connect device to the PC.

easYgen-2000_us_TEST-TEST-GAP_x16.wtool - Woo	dward ToolKit	?	-		×
Configure Connection					
Select a network	Baud Rate:				
-# COMS	AutoDetection				Ŧ
 ■ TCP/IP 					
LUSB-to-CAN compact HW149889 CAN-1					
Always connect to my last selected network.					
				onnec	



Set password level 5:

mode	℁	Security Login		×
		Device 18000000 is a se	cured devid	ce. Please log in.
node		Current Level:	5	
		Random Number for Password:	368	
		Password:	••• •	
·				
			Log In	Close
		<u>к на се </u>		-
Log	g In			

Select "Settings"\"Save from Device" in the Menu bar:

Save Settings from Device to File		×
Settings File Selection Select or create the settings file to save the settings to.		
Click 'Browse' to select or create the file.		
		Browse
Set selected directory as default directory		
	Cancel	Next >

Browse to the directory in which you want to save the configuration file and enter the name of your wset file

💥 Save Settings from Device to File	×
Settings File Selection	
Select or create the settings file to save the settings to.	
Click 'Browse' to select or create the file.	
C:\EG2000\Configuration\EG2000_Config1.wset	Browse
Cat calacted directory or default directory	
Set selected directory as default directory	
	Cancel Next >

Click "Next" the settings will be saved:

X Save Settings from Device to File		×
Saving Settings Please wait		
Saving Settings		
Saving 911 of 1546 settings.		
	Cancel	Next >

2. Flash the new software

Remove all interface connections not necessary for the flash process.

Select "Menu"/"Load Application" and browse for the *scp file:

K Load Application		×
Application File Selection Select the application file to load.		
Click 'Browse' to select the file.		
C:\EG2000\5418_3995_c\5418_3995_C_5418_3994_C_v10400_CPU1.scp		Browse
Set selected directory as default directory		
	Grant	Net
	Cancel	Next >

Click "Next"



💥 Load Application		×
Restore Settings What do you want to do?		
What do you want to do with the device's settings? Restore the device's current settings after loading the application. The device's current settings may be lost.		
	Cancel	Next >

Click "Next" (without restore)

💥 Load Application		×
Loading Application Please wait		
Writing to Memory		
937 KB of 2298,753 KB		
	Cancel	Next >

If reconnected, browse for correct SID file

Unable to locate the correct SID file for device application 5418-3995-C	*	ToolKit X
	i	Unable to locate the correct SID file for device application: 5418-3995-C
Click Browse to locate the SID file.		Click Browse to locate the SID file.
Browse Cancel		Browse Cancel

and log in with level 5

3. Load default settings

Select "Parameter"/"System management " at the menu bar



(Connection to the device will be interrupted until the factory settings are loaded:)

Main View	Settings Tools	
New Open	Close Save As Design Mode	Connect Discoment Application Statistics Save Values
HOME PAGE	Device Active code level for this session:	System management
		Factory default settings
	1700 Language	 10417 Factory default settings
ALAKM STATUS	1702 Device number	1701 Set factory default values
PARAMETER	Deserve and sustains	
STATUS MENU	10415 Basic code level 10413 Commissioning code level	4556 Configure display backlight
	10412 Temp. supercomm. level code	Lamp test

Factory default loading is finished if the connection is restored.

4. Power cycle the device

Power cycle the device. Check alarm list. If "EEPROM failure" occurs, please acknowledge.

5. Load wset

Connect again, log in with code level 5 and load the configuration file:

Select "Settings"/"Load to Device" at the menu bar and browse to the wset file which has been saved before:

🛛 💥 Load Settings File to Device		×
Settings File Selection Select the settings file to load.		
Click 'Browse' to select the file.		
C:\EG2000\Configuration\EG2000_Config1.wset		Browse
Set selected directory as default directory		
	Cancel	Next >



💥 Load Settings File to Device		×
Settings Differences		
Device application difference.		
The selected file is intended for application: us_5418-3995-B.		
Some settings in the file do not match settings in the device application.		
To view or resolve the differences press Resolve Differences. To continue press	Next. Otherwis	e, press Cancel
ResolveDifferences		
	Cancel	Next >
Click "Next"		
K Load Settings File to Device	×	
Settings Conversion Finished		



Click "Next" (If the update contains new parameter they will occur here.)

Software Update easYgen-2000 Series



💥 Load Settings File to Device	
Loading Settings Please wait	
Settings File: C:\Users\bluley\Desktop\Configuration\EG2000_Config1.wset	
Loading Settings	
Processing 287 of 1563 settings.	
	Cancel Next >

💥 Load Settings File to Device	×
Finished	
Device settings loaded successfully.	
	Close

Check configuration!