

User Manual

Revision 1.000
English

EnOcean / CANopen - Converter

(Order Code: HD67C58-B2)

For Website information:

www.adfweb.com?Product=HD67C58-B2

For Price information:

www.adfweb.com?Price=HD67C58-B2

Benefits and Main Features:

- ✦ Very easy to configure
- ✦ Power Supply 18...35V DC and 8...24 V AC
- ✦ Temperature range: -40°C/+85°C (-40°F/+185°F)



For others EnOcean products, see also the following links:

Converter EnOcean to

- www.adfweb.com?Product=HD67C50
- www.adfweb.com?Product=HD67C52
- www.adfweb.com?Product=HD67C54
- www.adfweb.com?Product=HD67C56
- www.adfweb.com?Product=HD67C57
- www.adfweb.com?Product=HD67C61
- www.adfweb.com?Product=HD67C63
- www.adfweb.com?Product=HD67C65
- www.adfweb.com?Product=HD67C66
- www.adfweb.com?Product=HD67C67
- www.adfweb.com?Product=HD67C70
- www.adfweb.com?Product=HD67C72
- www.adfweb.com?Product=HD67C73
- www.adfweb.com?Product=HD67C75
- www.adfweb.com?Product=HD67C77
- www.adfweb.com?Product=HD67C79

- (Serial)
- (Modbus Slave)
- (Modbus TCP Slave)
- (BACnet Slave)
- (CAN)
- (DeviceNet Slave)
- (EtherNet/IP Slave)
- (IEC61850 Server)
- (J1939)
- (KNX)
- (MQTT)
- (NMEA 0183)
- (NMEA 2000)
- (PROFIBUS Slave)
- (PROFINET Slave)
- (SNMP Agent)

Do you need to choose a device? Do you want help?

www.adfweb.com?Cmd=helpme



User Manual

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UPDATED DOCUMENTATION:

Dear customer, we thank you for your attention and we remind you that you need to check that the following document is:

- ✚ Updated
- ✚ Related to the product you own

To obtain the most recently updated document, note the “document code” that appears at the top right-hand corner of each page of this document.

With this “Document Code” go to web page www.adfweb.com/download/ and search for the corresponding code on the page. Click on the proper “Document Code” and download the updates.

REVISION LIST:

Revision	Date	Author	Chapter	Description
1.000	05/12/2019	Ff	All	First release version

WARNING:

ADFweb.com reserves the right to change information in this manual about our product without warning. ADFweb.com is not responsible for any error this manual may contain.

TRADEMARKS:

All trademarks mentioned in this document belong to their respective owners.

SECURITY ALERT:**GENERAL INFORMATION**

To ensure safe operation, the device must be operated according to the instructions in the manual. When using the device, legal and safety regulation are required for each individual application. The same applies also when using accessories.

INTENDED USE

Machines and systems must be designed so the faulty conditions do not lead to a dangerous situation for the operator (i.e. independent limit switches, mechanical interlocks, etc.).

QUALIFIED PERSONNEL

The device can be used only by qualified personnel, strictly in accordance with the specifications. Qualified personnel are persons who are familiar with the installation, assembly, commissioning and operation of this equipment and who have appropriate qualifications for their job.

RESIDUAL RISKS

The device is state-of-the-art and is safe. The instruments can represent a potential hazard if they are inappropriately installed and operated by untrained personnel. These instructions refer to residual risks with the following symbol:



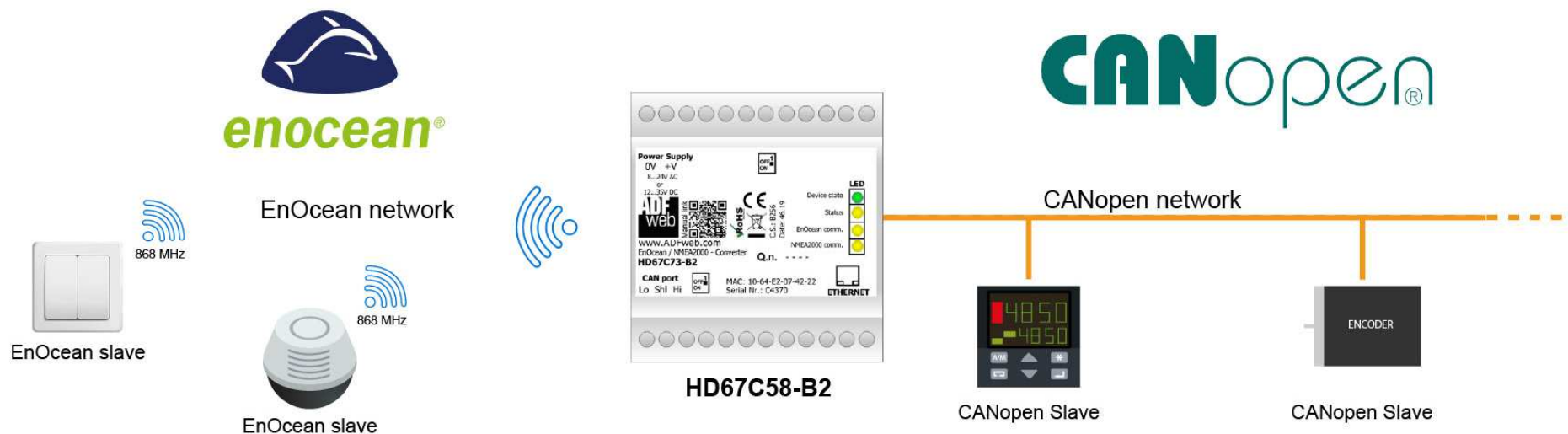
This symbol indicates that non-observance of the safety instructions is a danger for people that could lead to serious injury or death and / or the possibility of damage.

CE CONFORMITY

The declaration is made by our company. You can send an email to support@adfweb.com or give us a call if you need it.

EXAMPLE OF CONNECTION:

EnOcean / CANopen - Converter
HD67C58-B2



CONNECTION SCHEME:

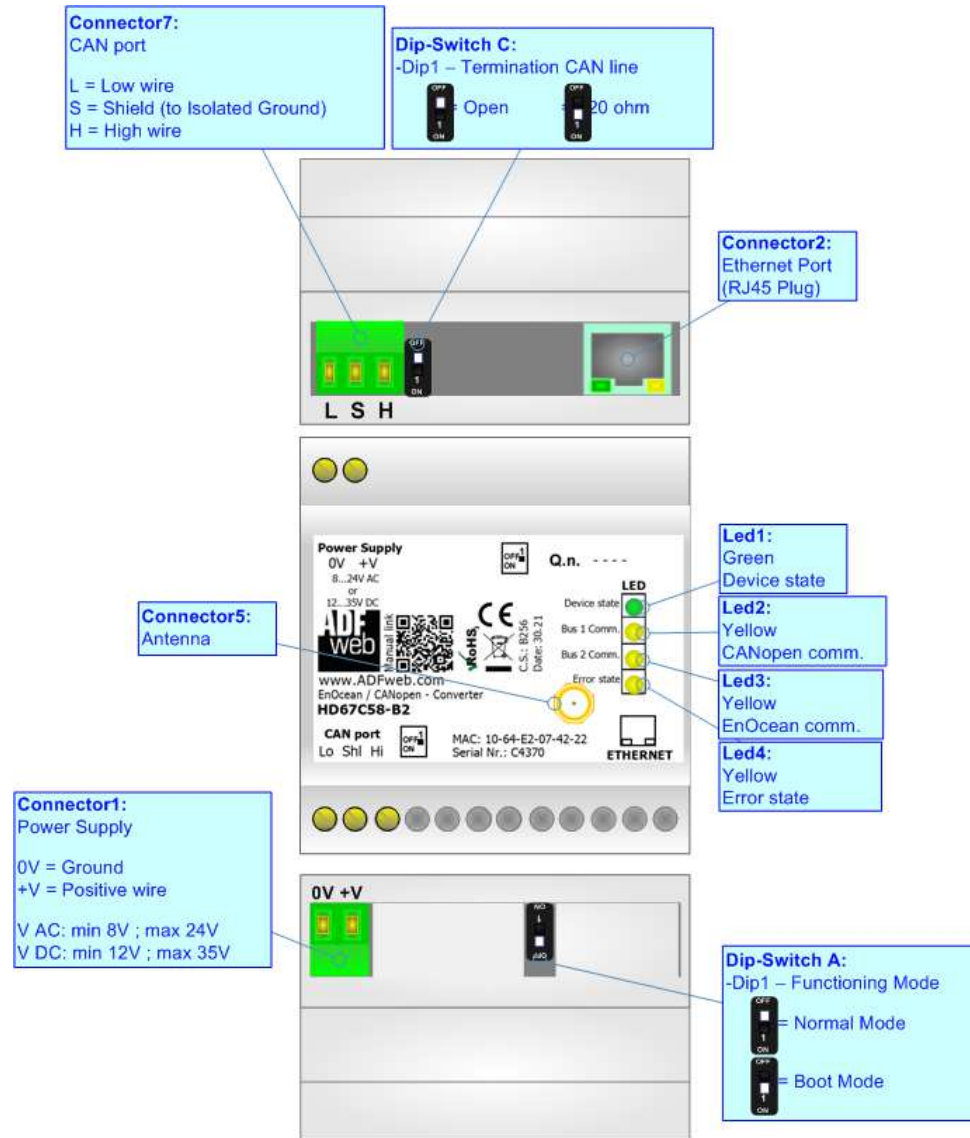


Figure 1: Connection scheme for HD67C58-B2

CHARACTERISTICS:

The HD67C58-B2 is a EnOcean / CANopen Slave Converter.

It allows the following characteristics:

- Electrical isolation between Ethernet and Power Supply;
- Mountable on 35mm Rail DIN;
- Wide power supply input range: 18...35V DC and 8...24V AC;
- Wide temperature range: -40°C / 85°C [-40°F / +185°F].



CONFIGURATION:

You need Compositor SW67C58 software on your PC in order to perform the following:

- Define the parameter of CANopen line;
- Define the parameter of EnOcean line;
- Define SDO Server information;
- Define SDO Client information;
- Define PDO information (RPDO/TPDO);
- Export the EDS file for configuration of CANopen Master;
- Update the device.

POWER SUPPLY:

The devices can be powered at 8...24V AC and 12...35V DC. For more details see the two tables below.

VAC 		VDC 	
Vmin	Vmax	Vmin	Vmax
8V	24V	12V	35V

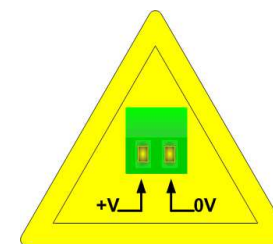
Consumption at 24V DC:

Device	Consumption [W/VA]
HD67C58-B2	3.5

Connector1:
Power Supply
0V = Ground
+V = Positive wire
V AC: min 8V ; max 24V
V DC: min 12V ; max 35V



Caution: Not reverse the polarity power



HD67C58-B2

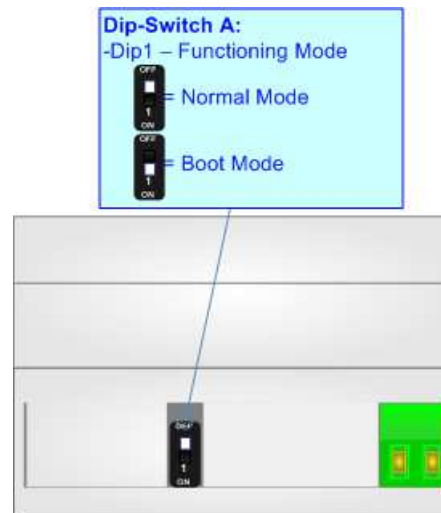
FUNCTION MODES:

The device has got two functions mode depending of the position of the 'Dip1 of Dip-Switch A':

- The first, with 'Dip1 of Dip-Switch A' at "OFF" position, is used for the normal working of the device.
- The second, with 'Dip1 of Dip-Switch A' at "ON" position, is used for upload the Project and/or Firmware.

For the operations to follow for the updating, see 'UPDATE DEVICE' section.

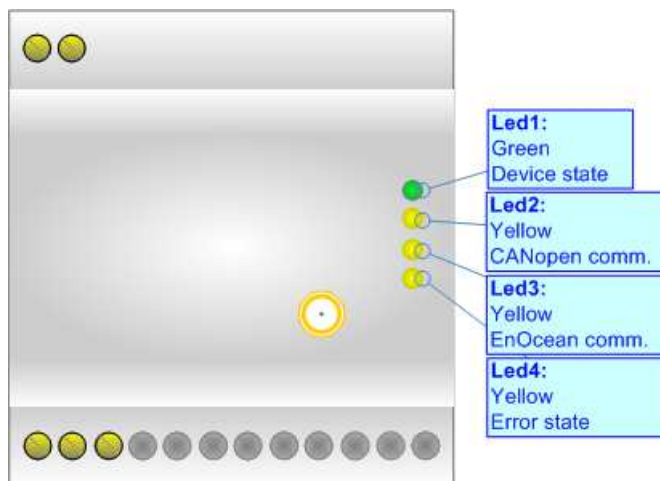
According to the functioning mode, the LEDs will have specifics functions, see 'LEDS' section.



LEDS:

The device has got four LEDs that are used to give information of the functioning status. The various meanings of the LEDs are described in the table below.

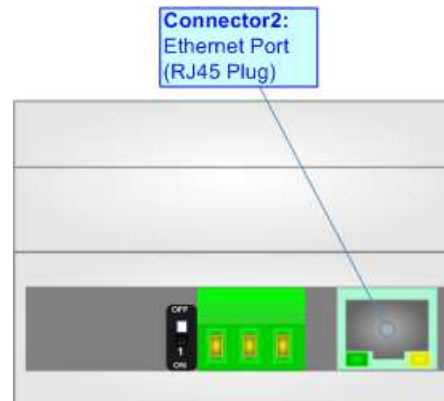
LED	Normal Mode	Boot Mode
1: Device State (green)	Blinks slowly (~1Hz)	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
2: CANopen communication (yellow)	Blinks when CANopen communication is running	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
3: EnOcean communication (yellow)	Blinks when EnOcean data is received	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
4: Error state (yellow)	ON: An error in the communication busses occurs OFF: No errors are present	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress



ETHERNET:

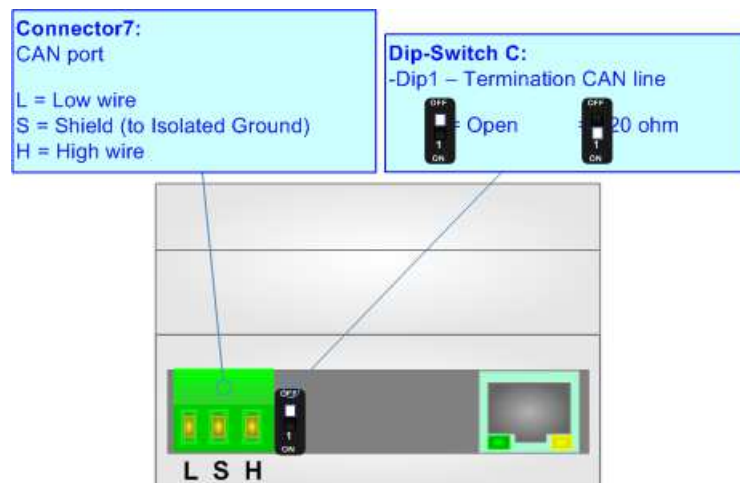
The Ethernet port is used for programming the device.

The Ethernet connection must be made using Connector2 of HD67C58-B2 with at least a Category 5E cable. The maximum length of the cable should not exceed 100m. The cable has to conform to the T568 norms relative to connections in cat.5 up to 100 Mbps. To connect the device to an Hub/Switch is recommended the use of a straight cable, to connect the device to a PC is recommended the use of a cross cable.



CAN:

For terminating the CAN line with a 120Ω resistor it is necessary that the Dip1 of 'Dip-Switch C' is at ON position.



Cable characteristics:

DC parameter:		Impedance	70 Ohm/m
AC parameters:		Impedance	120 Ohm/m
		Delay	5 ns/m
Length		Baud Rate [bps]	Length MAX [m]
		10 K	5000
		20 K	2500
		50 K	1000
		100 K	650
		125 K	500
		250 K	250
		500 K	100
		800 K	50
		1000 K	25

ENOCEAN:

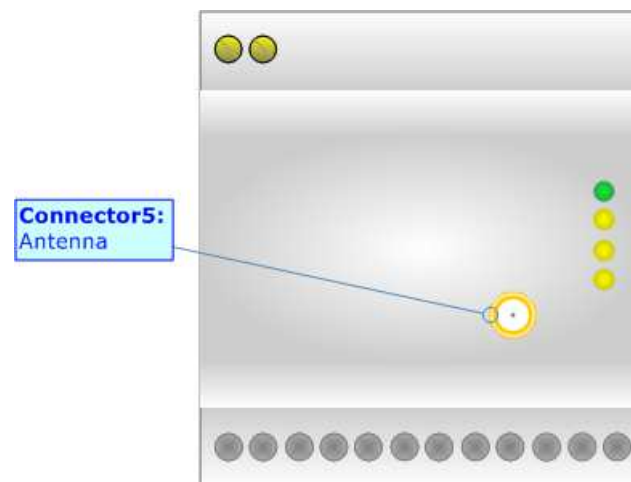
EnOcean is a protocol designed for energy harvesting devices communication. The main fields of application are building automation and domotics, but it can also be potentially used in the industrial field.

EnOcean products include solutions for environment monitoring, smart metering and lighting. Each device uses a unique ID for identification and one of the standardized profiles (EEPs) for data transmission. Communication process may be secure or unsecure and may be unidirectional or bidirectional (for devices that support Smart Acknowledge operating mode).

EnOcean is based on wireless communication on 868.3 MHz ASK.

It is possible to connect up to 100 EnOcean devices to a single converter, where up to 32 can be in Secure Mode and up to 19 with Smart Acknowledge.


The Antenna connector is a SMA Female ('Female Outer Shell' and 'Female Receptacle') so the Antenna must have a SMA Male connector.



USE OF COMPOSITOR SW67C58:

To configure the Converter, use the available software that runs with Windows called SW67C58. It is downloadable on the site www.adfweb.com and its operation is described in this document. The software works with MS Windows (XP, Vista, Seven, 8, 10; 32/64bit).

When launching the SW67C58, the window below appears (Fig. 2).

 **Note:**
It is necessary to have installed .Net Framework 4.

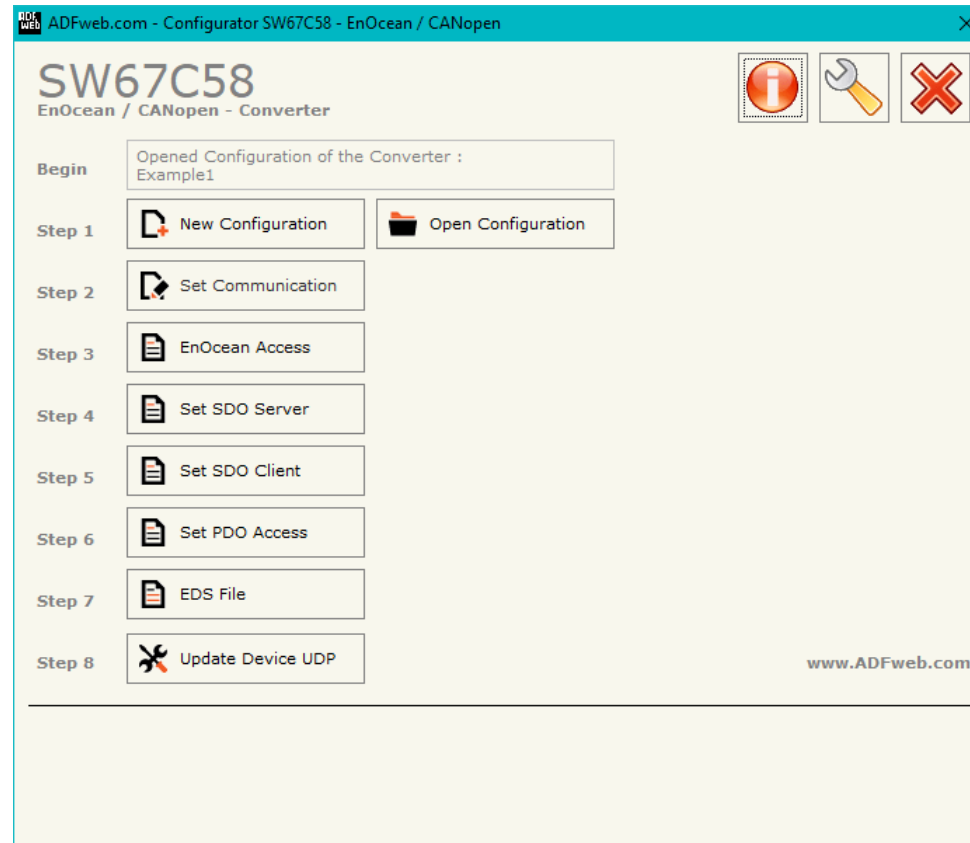
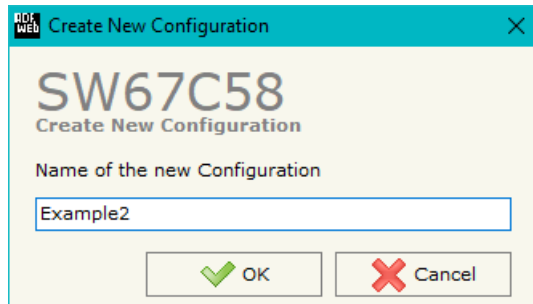


Figure 2: Main window for SW67C58

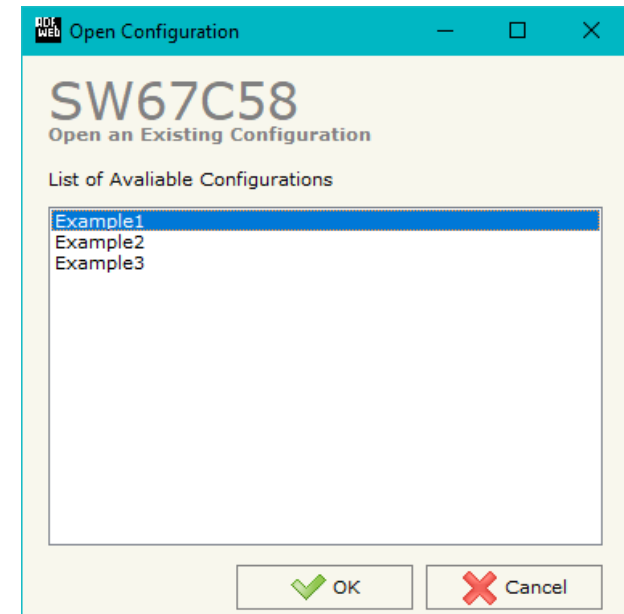
NEW CONFIGURATION / OPEN CONFIGURATION:

The “**New Configuration**” button creates the folder which contains the entire device’s configuration.




A device’s configuration can also be imported or exported:

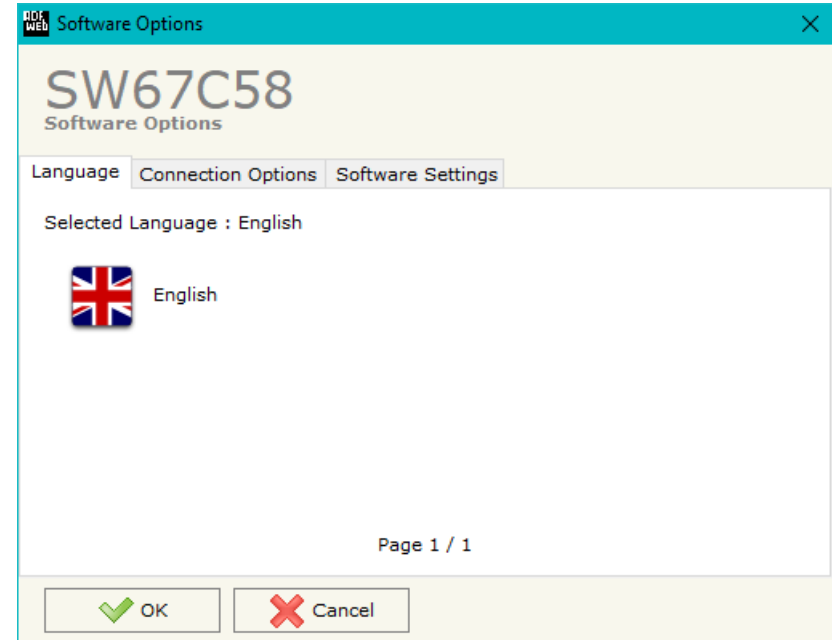
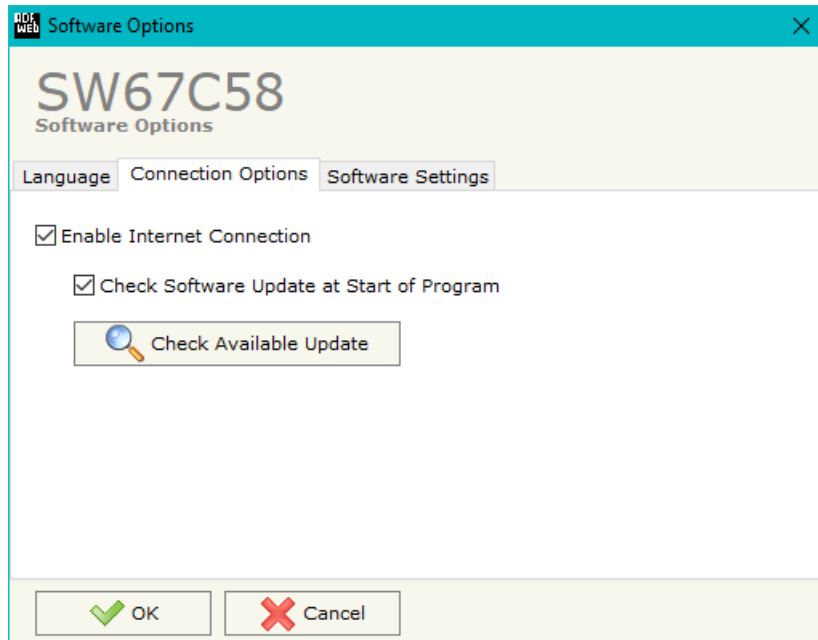
- To clone the configurations of a Programmable “EnOcean / CANopen - Converter” in order to configure another device in the same manner, it is necessary to maintain the folder and all its contents;
- To clone a project in order to obtain a different version of the project, it is sufficient to duplicate the project folder with another name and open the new folder with the button “**Open Configuration**”.



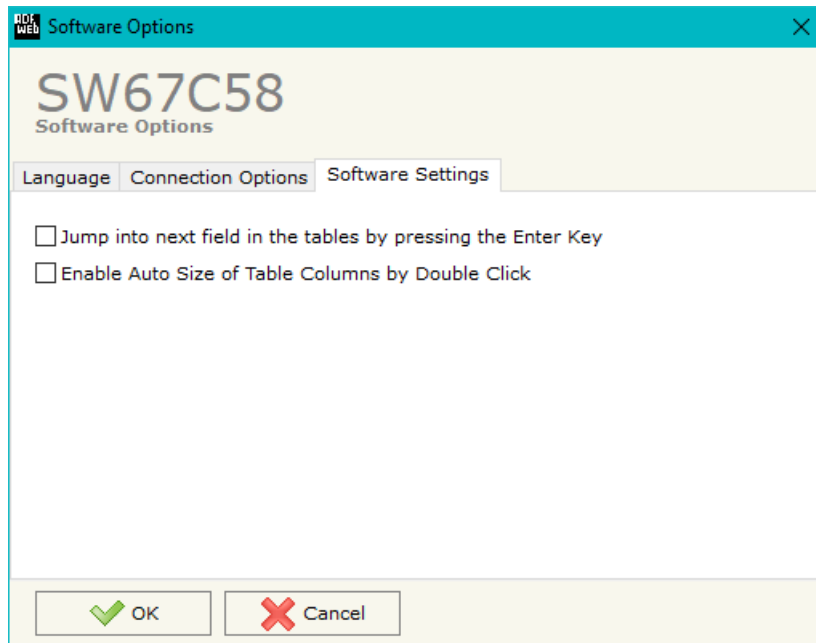
SOFTWARE OPTIONS:

By pressing the “**Settings**” () button there is the possibility to change the language of the software and check the updatings for the compositor.

In the section “Language” it is possible to change the language of the software.



In the section “Connection Options”, it is possible to check if there are some updatings of the software compositor in ADFweb.com website. Checking the option “**Check Software Update at Start of Program**”, the SW67C58 check automatically if there are updatings when it is launched.



In the section "Software Settings", it is possible to enable/disable some keyboard's commands for an easier navigation inside the tables contained in the different sections of the software.

SET COMMUNICATION:

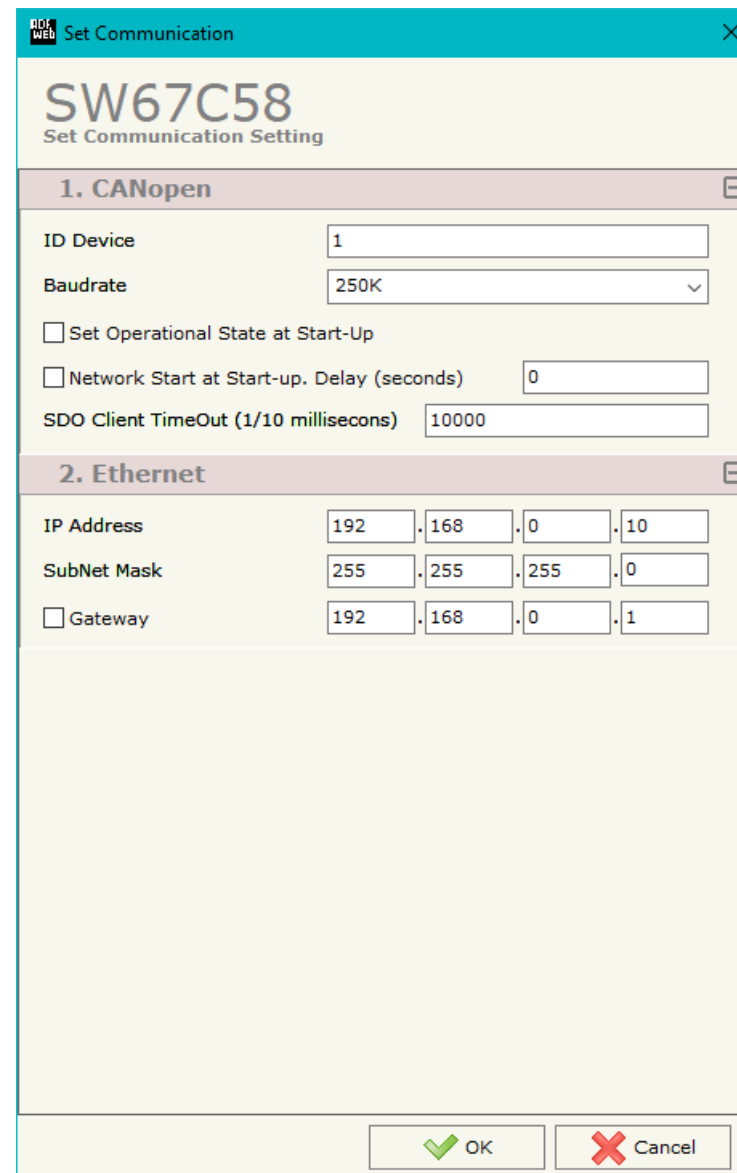
By Pressing the **“Set Communication”** button from the main window for SW67C58 (Fig. 2) the window **“Set Communication”** appears (Fig. 3).

The means of the fields for the **“CANopen”** section are:

- In the field **“ID Device”** the ID of the CANopen side is defined;
- In the field **“Baudrate”** the data rate of the CANopen line is defined;
- In the field **“Set Operational State at Start-Up”** the state of the CANopen is defined. I.e. If it is checked the board starts in Operational State, else it starts in Pre-Operational;
- In the field **“Network Start at Start-Up”** the state of the CANopen network is defined. I.e. If it is checked the board sends a command to set the Operational State of all the devices present in the network, after the time defined in the **“Delay”** field;
- In the field **“Delay (seconds)”** the delay before sending the **“Start”** command for the CANopen is defined;
- In the field **“SDO Client TimeOut (1/10 ms)”** the maximum time that the device attends for the answer from the Slave interrogated is defined.

The means of the fields for **“Ethernet”** are:

- In the fields **“IP Address”** the IP address for Ethernet side of the converter is defined;
- In the fields **“SubNet Mask”** the SubNet Mask for Ethernet side of the converter is defined;
- In the fields **“Gateway”** the default gateway of the net is defined. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net.



The screenshot shows a web-based configuration interface for the SW67C58 device. The window title is "Set Communication". The main heading is "SW67C58 Set Communication Setting".

1. CANopen

- ID Device: 1
- Baudrate: 250K
- Set Operational State at Start-Up
- Network Start at Start-up. Delay (seconds): 0
- SDO Client TimeOut (1/10 milliseconds): 10000

2. Ethernet

- IP Address: 192 . 168 . 0 . 10
- SubNet Mask: 255 . 255 . 255 . 0
- Gateway: 192 . 168 . 0 . 1

At the bottom right, there are two buttons: "OK" (with a green checkmark) and "Cancel" (with a red X).

Figure 3: **“Set Communication”** window

ENOCEAN ACCESS:

By Pressing the “**EnOcean Set Access**” button from the main window for SW67C58 (Fig. 2) the window “EnOcean Set Access” appears (Fig. 4). This section is used to define the list of the EnOcean devices to read/write.

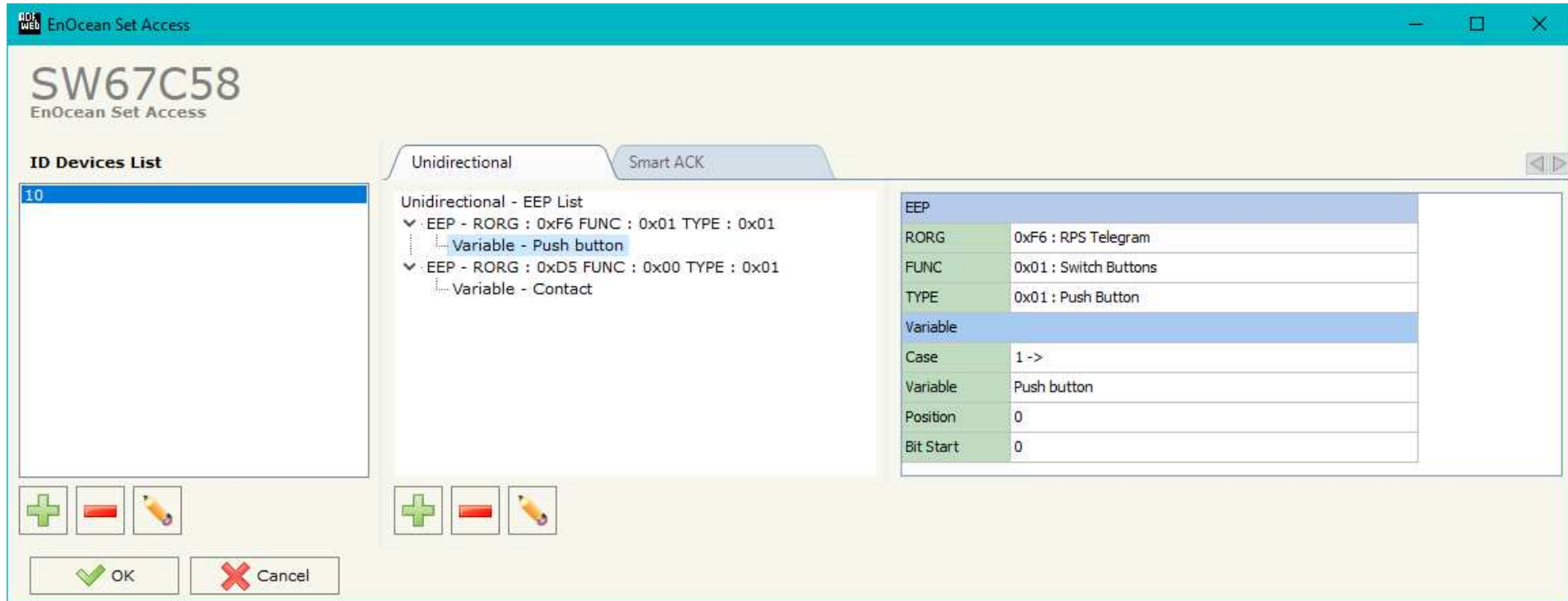


Figure 4: “EnOcean Access” window

By clicking on “+” or “**Modify**” under “ID Devices List”, it is possible to add/modify a new EnOcean device inserting its characteristics. The window “Add/Modify EnOcean device” appears (Fig. 5).

The means of the fields are:

- In the field “**Device ID**” the ID of the EnOcean device is defined;
- In the field “**Secure Type**” the type of EnOcean communication is defined;
- In the field “**Key**” the key used for encryption of frames in Secure Mode is defined;
- In the field “**Rolling Code**” the Rolling Code for the EnOcean communication is defined;
- In the field “**Rolling Code Algorithm**” the type of Rolling Code is defined;
- In the field “**Rolling Code Tx**” the transmission of the Rolling Code is enabled/disabled;
- In the field “**CMAC Algorithm**” the MAC field at the end of the EnOcean frame is defined;
- In the field “**Data Encrypted**” the encryption of the data is enabled/disabled;
- In the field “**PTM**” the type of EnOcean device is defined.



The screenshot shows a web-based configuration window titled "Add EnOcean Device" with a close button (X) in the top right corner. The window has a light yellow background and a teal header bar. The device ID "SW67C58" is displayed at the top. Below it, the following fields are visible:

Device ID	<input type="text"/>
Secure Type	Secure with Manual Setting ▾
Key	<input type="text"/>
Rolling Code	<input type="text"/>
Rolling Code Algorithm	No RLC algorithm ▾
Rolling Code Tx	No ▾
CMAC Algorithm	No MAC ▾
Data Encrypted	No data encryption ▾
PTM	No PTM ▾

At the bottom of the window, there are two buttons: "OK" with a green checkmark icon and "Cancel" with a red X icon.

Figure 5: “Add/Modify EnOcean device” window

By clicking on "+" or "Modify", it is possible to add/modify a new variable for the selected ID. The window "Add/Modify EnOcean variable" appears (Fig. 6).

The means of the EEP fields are:

- In the field "Rorg" the type of EnOcean telegram is defined;
- In the field "Func" the type of EnOcean instance is defined;
- In the field "Type" the type of event is defined.

The means of the Variable fields are:

- In the field "Case" the format of the EnOcean telegram is defined;
- In the field "Variable" the variable to read/write is defined;
- In the field "Position" the starting byte of the internal array where mapping/taking the variable is defined;
- In the field "Bit Start" the starting bit of the defined Position where mapping/taking the variable is defined.

The screenshot shows a web-based interface for adding or modifying an EnOcean variable. The window title is "Add EnOcean Variable" and the ID being configured is "SW67C58". The interface is divided into two main sections: "EEP" and "Variable".

EEP Section:

- Rorg:** 0xF6 : RPS Telegram
- Func:** 0x01 : Switch Buttons
- Type:** 0x01 : Push Button

Variable Section:

- Case:** 1 ->
- Variable:** Push button : 3, 1
- Position:** 0
- Bit Start:** 0

At the bottom of the window, there are two buttons: "OK" (with a green checkmark icon) and "Cancel" (with a red X icon).

Figure 6: "Add/Modify EnOcean variable" window

SET SDO SERVER:

By pressing the **“Set SDO Server”** button from the main window for SW67C58 (Fig. 2) the window **“Set SDO Server Access”** appears (Fig. 7).

This window is made to create the SDO in read or write in the CANopen side, and to indicate which byte are associated to these SDOs.

It is divided in two parts, the **“SDO in read”** and the **“SDO in Write”**.

The first part is used to read, using the SDO, the data arrived from the EnOcean side. The second is used to write, using SDO, the data that will be sent to the EnOcean side.

The data of the columns have the following meanings:

- In the field **“Index”** the address of the SDO is defined;
- In the field **“SubIndex”** the second address of the SDO is defined;
- If the field **“N Byte”** the dimension of the SDO is defined (it can be 1, 2 or 4);
- In the field **“Address Byte1”** insert the address of the internal arrays where read/write first byte of the SDO;
- In the field **“Address Byte2”** insert the address of the internal arrays where read/write second byte of the SDO (only if N Byte is 2 or 4);
- In the field **“Address Byte3”** insert the address of the internal arrays where read/write third byte of the SDO (only if N Byte is 4);
- In the field **“Address Byte4”** insert the address of the internal arrays where read/write fourth byte of the SDO (only if N Byte is 4);
- In the field **“Mnemonic”** the description for the SDO is defined.

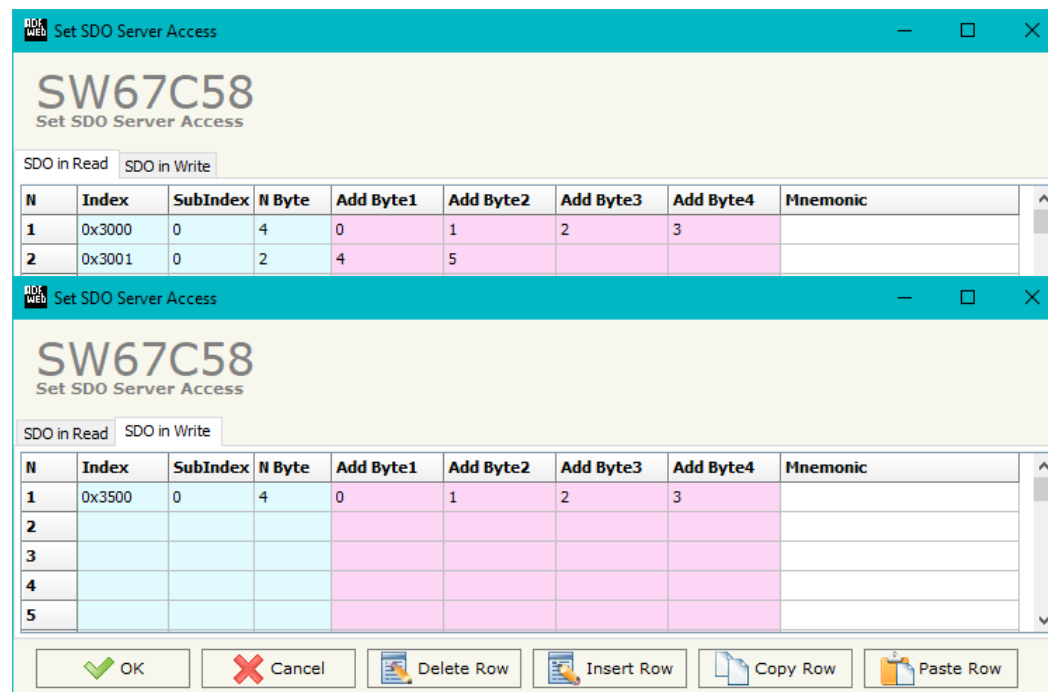


Figure 7: **“Set SDO Server Access”** window

SET SDO CLIENT:

By pressing the "Set SDO Client" button from the main window for SW67C58 (Fig. 2) the window "Set SDO Client Access" appears (Fig. 8a and 8b).

With the SDO Client the HD67C58 Gateway can read and/or write the data from other devices connected in the network CANopen.

It is divided in two parts, the "SDO Read" and the "SDO Write". The first part is used to read, using the SDO, the data in another device and then put them on EnOcean side. The second part is used to write, using the SDO, the data present on EnOcean side to others CANopen devices.

The data of the columns in the "SDO Read" have the following meanings:

- In the field "**Device ID**" insert the ID of the device to read;
- In the field "**Index**" the address for the SDO is defined;
- In the field "**SubIndex**" the second address for the SDO is defined;
- In the field "**N Byte**" the dimension of the SDO is defined (it can be 1, 2, or 4);
- In the field "**Poll Time**" insert the cyclic time to make this request;
- In the field "**Address Byte1**" the address of the internal array where coping the first byte of the SDO read is defined;
- In the field "**Address Byte2**" the address of the internal array where coping the second byte of the SDO read is defined (only if N Byte is 2 or 4);
- In the field "**Address Byte3**" the address of the internal array where coping the third byte of the SDO read is defined (only if N Byte is 4);
- In the field "**Address Byte4**" the address of the internal array where coping the fourth byte of the SDO read is defined (only if N Byte is 4).
- In the field "**Mnemonic**" the description for the SDO is defined.

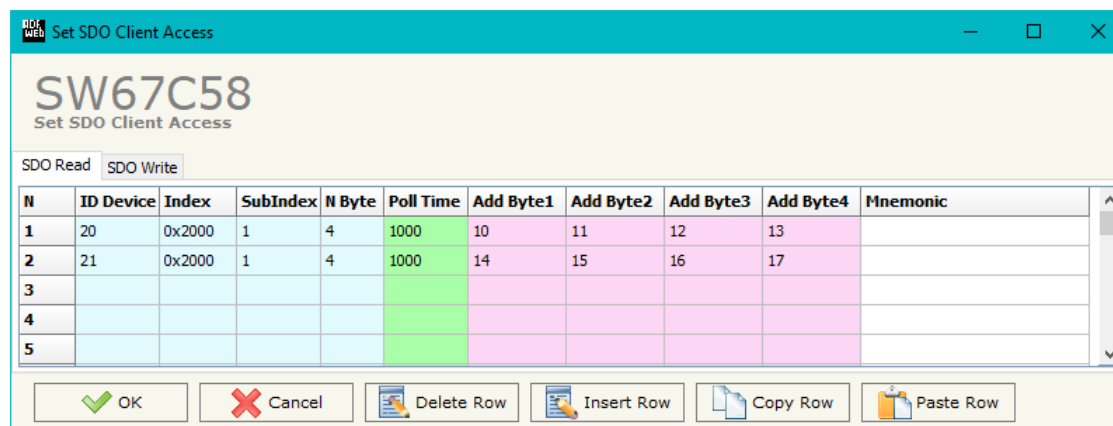


Figure 8a: "Set SDO Client Access – SDO Read" window

The data of the columns in the "SDO Write" have the following meanings:

- In the field "**Device ID**" insert the ID of the device to write;
- In the field "**Index**" the address for the SDO is defined;
- In the field "**SubIndex**" the second address for the SDO is defined;
- In the field "**N Byte**" the dimension of the SDO is defined (it can be 1, 2, or 4);
- In the field "**Poll Time**" insert the cyclic time to make this request;
- If the field "**On Change**" is checked, the gateway sends the Write SDO request when the data change the value;
- In the field "**Address Byte1**" the address of the internal array where reading the first byte of the SDO write is defined;
- In the field "**Address Byte2**" the address of the internal array where reading the second byte of the SDO write is defined (only if N Byte is 2 or 4);
- In the field "**Address Byte3**" the address of the internal array where reading the third byte of the SDO write is defined (only if N Byte is 4);
- In the field "**Address Byte4**" the address of the internal array where reading the fourth byte of the SDO write is defined (only if N Byte is 4);
- In the field "**Mnemonic**" the description for the SDO is defined.

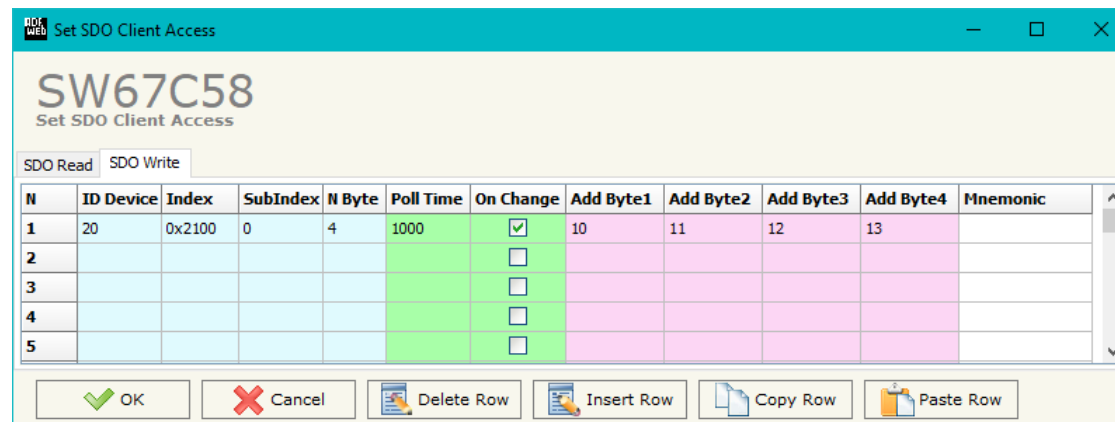


Figure 8b: "Set SDO Client Access – SDO Write" window

SET PDO ACCESS:

By pressing the "Set PDO Access" button from the main window for SW67C58 (Fig. 2) the window "Set PDO Access" appears (Fig. 9a and 9b).

This window is made to create the Receive and the Transmit PDO in the CANopen side, and to indicate which bytes are associated to these PDO.

It is divided in two parts, the "Receive PDO" and the "Transmit PDO". The first part is used to receive PDO in the CANopen network and copy the data in the internal array. The second part is used to transmit PDO in the CANopen network with the data of internal array.

The data of the columns in the "Receive PDO" have the following meanings:

- In the Field "**Cob-ID**" the address for the PDO is defined;
- In the Field "**Dimension**" the dimension of the PDO is defined (it can be between 1 and 8);
- In the Field "**Add B1**" the first byte where the data will be saved in the internal array is defined;
- In the Field "**Add B2**" the second byte where the data will be saved in the internal array is defined (only if **Dimension** > 1);
- In the Field "**Add B3**" the third byte where the data will be saved in the internal array is defined (only if **Dimension** > 2);
- In the Field "**Add B4**" the fourth byte where the data will be saved in the internal array is defined (only if **Dimension** > 3);
- In the Field "**Add B5**" the fifth byte where the data will be saved in the internal array is defined (only if **Dimension** > 4);
- In the Field "**Add B6**" the sixth byte where the data will be saved in the internal array is defined (only if **Dimension** > 5);
- In the Field "**Add B7**" the seventh byte where the data will be saved in the internal array is defined (only if **Dimension** > 6);
- In the Field "**Add B8**" the eighth byte where the data will be saved in the internal array is defined (only if **Dimension** > 7);
- The field "**TimeOut**" is used for put at zero the data into EnOcean if the PDO doesn't arrive with a frequency less than the time expressed in the field. If the value in the field is 0, it means that you don't want to use this feature, and so the value is never deleted;
- In the field "**Mnemonic**" the description for the PDO is defined.

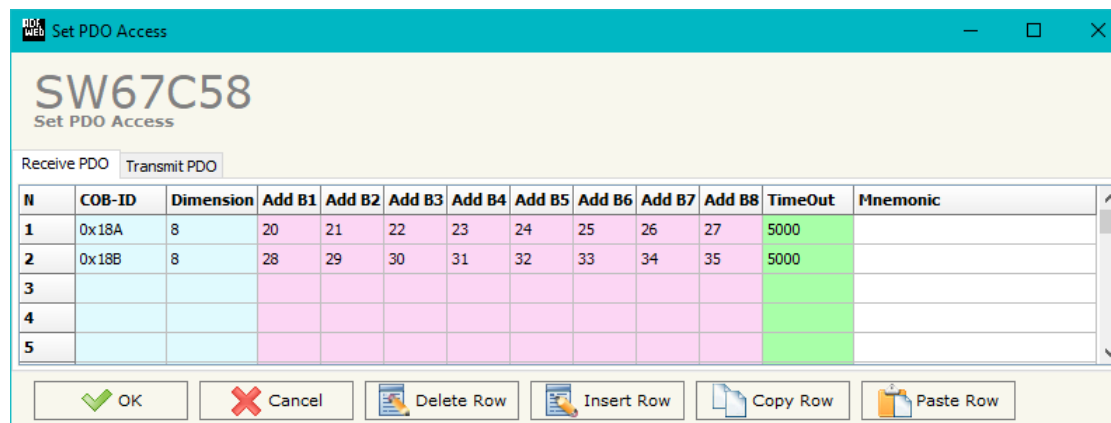


Figure 9a: "Set PDO Access – Receive PDO" window

The data of the columns in the "Transmit PDO" have the following meanings:

- In the Field "**Cob-ID**" the address for the PDO is defined;
- In the Field "**Dimension**" the dimension of the PDO is defined (it can be between 1 and 8);
- In the Field "**Add B1**" the first byte where the data will be loaded in the internal array is defined;
- In the Field "**Add B2**" the second byte where the data will be loaded in the internal array is defined (only if **Dimension** > 1);
- In the Field "**Add B3**" the third byte where the data will be loaded in the internal array is defined (only if **Dimension** > 2);
- In the Field "**Add B4**" the fourth byte where the data will be loaded in the internal array is defined (only if **Dimension** > 3);
- In the Field "**Add B5**" the fifth byte where the data will be loaded in the internal array is defined (only if **Dimension** > 4);
- In the Field "**Add B6**" the sixth byte where the data will be loaded in the internal array is defined (only if **Dimension** > 5);
- In the Field "**Add B7**" the seventh byte where the data will be loaded in the internal array is defined (only if **Dimension** > 6);
- In the Field "**Add B8**" the eighth byte where the data will be loaded in the internal array is defined (only if **Dimension** > 7);
- In the Field "**Send Time**" insert the interval used to send the PDO. The time is in milliseconds;
- If the field "**On Change**" is checked, the gateway send the Transmit PDO when the data change the value;
- In the field "**Mnemonic**" the description for the PDO is defined.

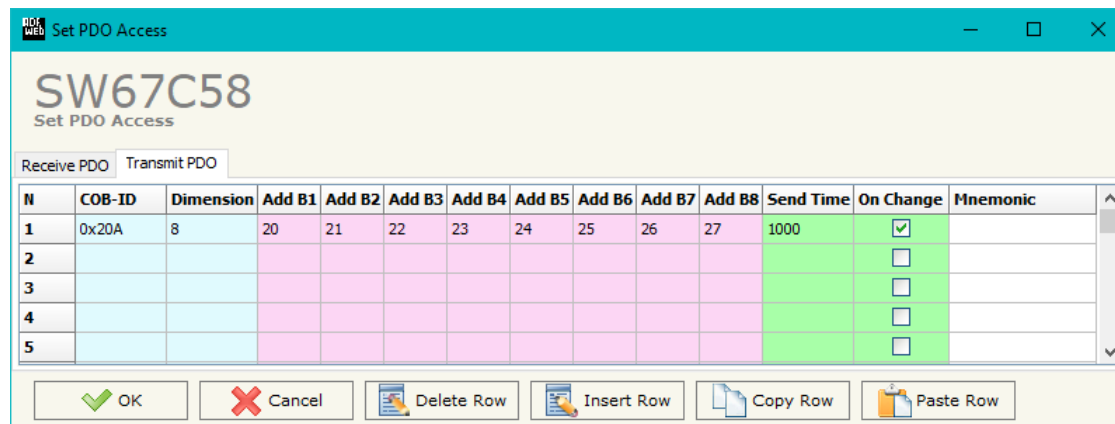


Figure 9b: "Set PDO Access – Transmit PDO" window

EDS FILE:

By Pressing the "**EDS FILE**" button from the main window for SW67E08 (Fig. 2) it is possible to generate the EDS file to be imported into the master CANopen.

UPDATE DEVICE:

By pressing the “**Update Device**” button, it is possible to load the created Configuration into the device; and also the Firmware, if necessary. This by using the Ethernet port.

If you don't know the actual IP address of the device you have to use this procedure:

- Turn OFF the Device;
- Put Dip1 of 'Dip-Switch A' in ON position;
- Turn ON the device
- Connect the Ethernet cable;
- Insert the IP “**192.168.2.205**”;
- Select which operations you want to do;
- Press the “**Execute update firmware**” button to start the upload;
- When all the operations are “OK” turn OFF the Device;
- Put Dip1 of 'Dip-Switch A' in OFF position;
- Turn ON the device.

If you know the actual IP address of the device, you have to use this procedure:

- Turn ON the Device with the Ethernet cable inserted;
- Insert the actual IP of the Converter;
- Select which operations you want to do;
- Press the “**Execute update firmware**” button to start the upload;
- When all the operations are “OK” the device automatically goes at Normal Mode.

At this point the configuration/firmware on the device is correctly updated.

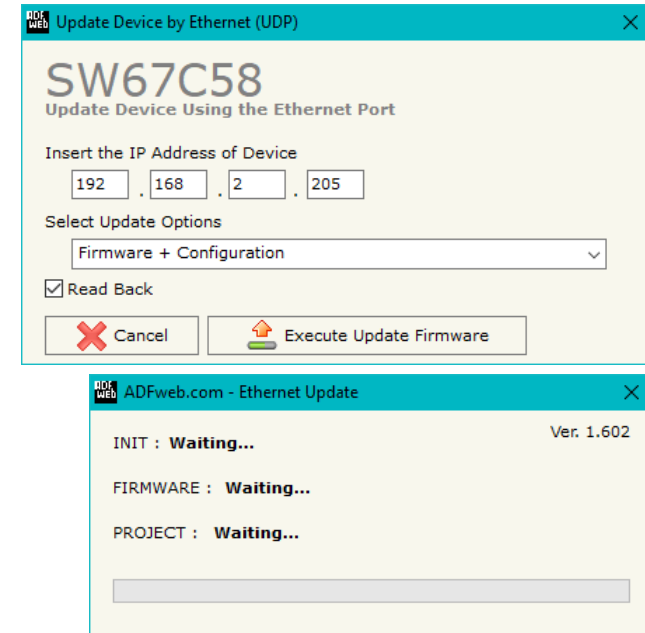


Figure 10: “Update device” windows

**Note:**

When you receive the device, for the first time, you also have to update the Firmware in the HD67C58 device.

**Warning:**

If Fig. 11 appears when you try to do the Update try these points before seeking assistance:

- Try to repeat the operations for the updating;
- Try with another PC;
- Try to restart the PC;
- Check the LAN settings;
- If you are using the program inside a Virtual Machine, try to use in the main Operating System;
- If you are using Windows Seven, Vista, 8 or 10 make sure that you have the administrator privileges;
- In case you have to program more than one device, using the "UDP Update", you have to cancel the ARP table every time you connect a new device on Ethernet. For do this you have to launch the "Command Prompt" and write the command "arp -d". Pay attention that with Windows Vista, Seven, 8, 10 you have to launch the "Command Prompt" with Administrator Rights;
- Pay attention at Firewall lock.

**Warning:**

In the case of HD67C58 you have to use the software "SW67C58":

www.adfweb.com/download/filefold/SW67C58.zip.

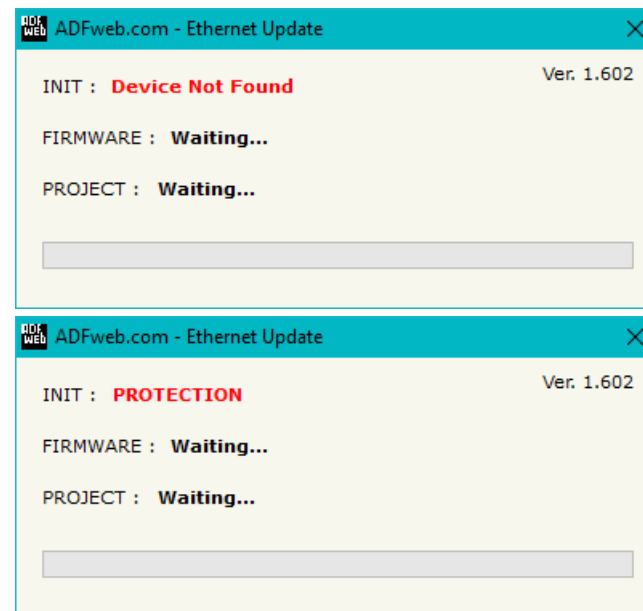
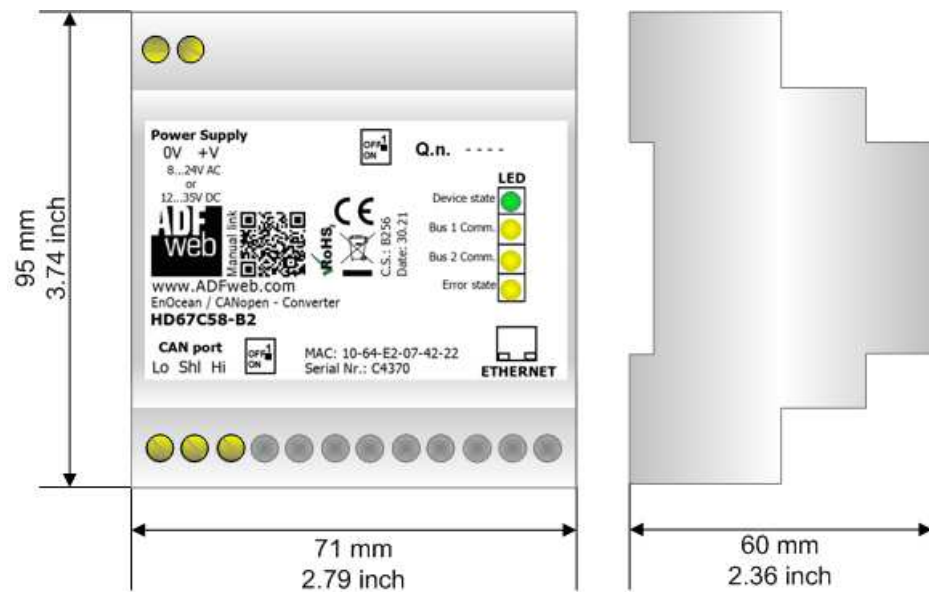


Figure 11: "Error" window

MECHANICAL DIMENSIONS:



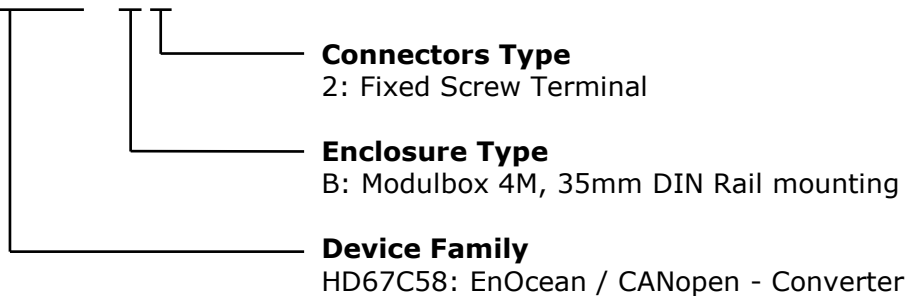
Housing: PVC
Weight: 200g (Approx)

Figure 12: Mechanical dimensions scheme for HD67C58-B2

ORDERING INFORMATIONS:

The ordering part number is formed by a valid combination of the following:

HD67C58 – B 2



Order Code: **HD67C58-B2** - EnOcean / CANopen – Converter

ACCESSORIES:

Order Code: **AC34011** - 35mm Rail DIN - Power Supply 220/240V AC 50/60Hz – 12 V DC

Order Code: **AC34012** - 35mm Rail DIN - Power Supply 220/240V AC 50/60Hz – 24 V DC

DISCLAIMER:

All technical content within this document can be modified without notice. The content of the document is a under continual renewal. For losses due to fire, earthquake, third party access or other accidents, or intentional or accidental abuse, misuse, or use under abnormal conditions repairs are charged to the user. ADFweb.com S.r.l. will not be liable for accidental loss of use or inability to use this product, such as loss of business income. ADFweb.com S.r.l. shall not be liable for consequences of improper use.

OTHER REGULATIONS AND STANDARDS:**WEEE INFORMATION**

Disposal of old electrical and electronic equipment (as in the European Union and other European countries with separate collection systems).

— This symbol on the product or on its packaging indicates that this product may not be treated as household rubbish. Instead, it should be taken to an applicable collection point for the recycling of electrical and electronic equipment. If the product is disposed correctly, you will help prevent potential negative environmental factors and impact of human health, which could otherwise be caused by inappropriate disposal. The recycling of materials will help to conserve natural resources. For more information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE

The device respects the 2002/95/EC Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (commonly referred to as Restriction of Hazardous Substances Directive or RoHS).

CE MARKING

The product conforms with the essential requirements of the applicable EC directives.

WARRANTIES AND TECHNICAL SUPPORT:

For fast and easy technical support for your ADFweb.com SRL products, consult our internet support at www.adfweb.com.
Otherwise contact us at the address support@adfweb.com

RETURN POLICY:

If while using your product you have any problem and you wish to exchange or repair it, please do the following:

- Obtain a Product Return Number (PRN) from our internet support at www.adfweb.com. Together with the request, you need to provide detailed information about the problem.
- Send the product to the address provided with the PRN, having prepaid the shipping costs (shipment costs billed to us will not be accepted).

If the product is within the warranty of twelve months, it will be repaired or exchanged and returned within three weeks. If the product is no longer under warranty, you will receive a repair estimate.



ADFweb.com S.r.l.
Via Strada Nuova, 17
IT-31010 Mareno di Piave
TREVISO (Italy)
Phone +39.0438.30.91.31
Fax +39.0438.49.20.99
www.adfweb.com

