

## User Manual

Revision 1.000

English

### IEC 61850 Server / SNMP Manager - Converter

(Order Code: HD67753-A1 )

For Website information:

[www.adfweb.com?Product=HD67753](http://www.adfweb.com?Product=HD67753)

For Price information:

[www.adfweb.com?Price=HD67753-A1](http://www.adfweb.com?Price=HD67753-A1)

#### Benefits and Main Features:

- ⊕ Very easy to configure
- ⊕ Triple Electrical isolation
- ⊕ Temperature range: -40°C/+85°C (-40°F/+185°F)

For other IEC 61850 server products see also the following link:

#### Converter IEC 61850 Server to

[www.adfweb.com?Product=HD67733](http://www.adfweb.com?Product=HD67733)  
[www.adfweb.com?Product=HD67734](http://www.adfweb.com?Product=HD67734)  
[www.adfweb.com?Product=HD67736](http://www.adfweb.com?Product=HD67736)  
[www.adfweb.com?Product=HD67737](http://www.adfweb.com?Product=HD67737)  
[www.adfweb.com?Product=HD67738](http://www.adfweb.com?Product=HD67738)  
[www.adfweb.com?Product=HD67739](http://www.adfweb.com?Product=HD67739)  
[www.adfweb.com?Product=HD67740](http://www.adfweb.com?Product=HD67740)  
[www.adfweb.com?Product=HD67741](http://www.adfweb.com?Product=HD67741)  
[www.adfweb.com?Product=HD67742](http://www.adfweb.com?Product=HD67742)  
[www.adfweb.com?Product=HD67C65](http://www.adfweb.com?Product=HD67C65)  
[www.adfweb.com?Product=HD67E15](http://www.adfweb.com?Product=HD67E15)  
[www.adfweb.com?Product=HD67E65](http://www.adfweb.com?Product=HD67E65)  
[www.adfweb.com?Product=HD67743](http://www.adfweb.com?Product=HD67743)  
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[www.adfweb.com?Product=HD67746](http://www.adfweb.com?Product=HD67746)  
[www.adfweb.com?Product=HD67D35](http://www.adfweb.com?Product=HD67D35)  
[www.adfweb.com?Product=HD67F35](http://www.adfweb.com?Product=HD67F35)  
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[www.adfweb.com?Product=HD67750](http://www.adfweb.com?Product=HD67750)  
[www.adfweb.com?Product=HD67751](http://www.adfweb.com?Product=HD67751)  
[www.adfweb.com?Product=HD67B82](http://www.adfweb.com?Product=HD67B82)  
[www.adfweb.com?Product=HD67752](http://www.adfweb.com?Product=HD67752)  
[www.adfweb.com?Product=HD67754](http://www.adfweb.com?Product=HD67754)  
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[www.adfweb.com?Product=HD67756](http://www.adfweb.com?Product=HD67756)

**(Modbus Master)**  
**(Modbus Slave)**  
**(Modbus TCP Slave)**  
**(BACnet Master)**  
**(BACnet Slave)**  
**(CAN)**  
**(CANopen)**  
**(DeviceNet Master)**  
**(DeviceNet Slave)**  
**(EnOcean)**  
**(EtherCAT Slave)**  
**(EtherCAT Master)**  
**(EtherNet/IP Master)**  
**(EtherNet/IP Slave)**  
**(J1939)**  
**(KNX)**  
**(LoRaWAN)**  
**(LoRaWAN Gateway)**  
**(MQTT)**  
**(NMEA 0183)**  
**(NMEA 2000)**  
**(PROFIBUS Master)**  
**(PROFIBUS Slave)**  
**(PROFINET Master)**  
**(PROFINET Slave)**  
**(SNMP Agent)**  
**(Serial)**  
**(Ethernet)**

Do you have your customer protocol? Then go to:

[www.adfweb.com?Product=HD67003](http://www.adfweb.com?Product=HD67003)

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

[www.adfweb.com?Cmd=helpme](http://www.adfweb.com?Cmd=helpme)



User Manual

## INDEX:

	Page
INDEX	2
UPDATED DOCUMENTATION	2
REVISION LIST	2
WARNING	2
TRADEMARKS	2
SECURITY ALERT	3
EXAMPLE OF CONNECTION	4
CONNECTION SCHEME	5
CHARACTERISTICS	6
CONFIGURATION	6
POWER SUPPLY	7
FUNCTION MODES	8
LEDS	9
ETHERNET	10
USE OF COMPOSITOR SW67753	11
NEW CONFIGURATION / OPEN CONFIGURATION	12
SOFTWARE OPTIONS	13
SET COMMUNICATION	15
IEC 61850 ACCESS	19
SNMP SET ACCESS	21
TLS KNOWN CERTIFICATE	23
UPDATE DEVICE	24
MECHANICAL DIMENSIONS	26
ORDERING INFORMATIONS	27
ACCESSORIES	27
DISCLAIMER	28
OTHER REGULATIONS AND STANDARDS	28
WARRANTIES AND TECHNICAL SUPPORT	29
RETURN POLICY	29

## 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/](http://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	21/11/2023	Ln	All	First Release

## 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:

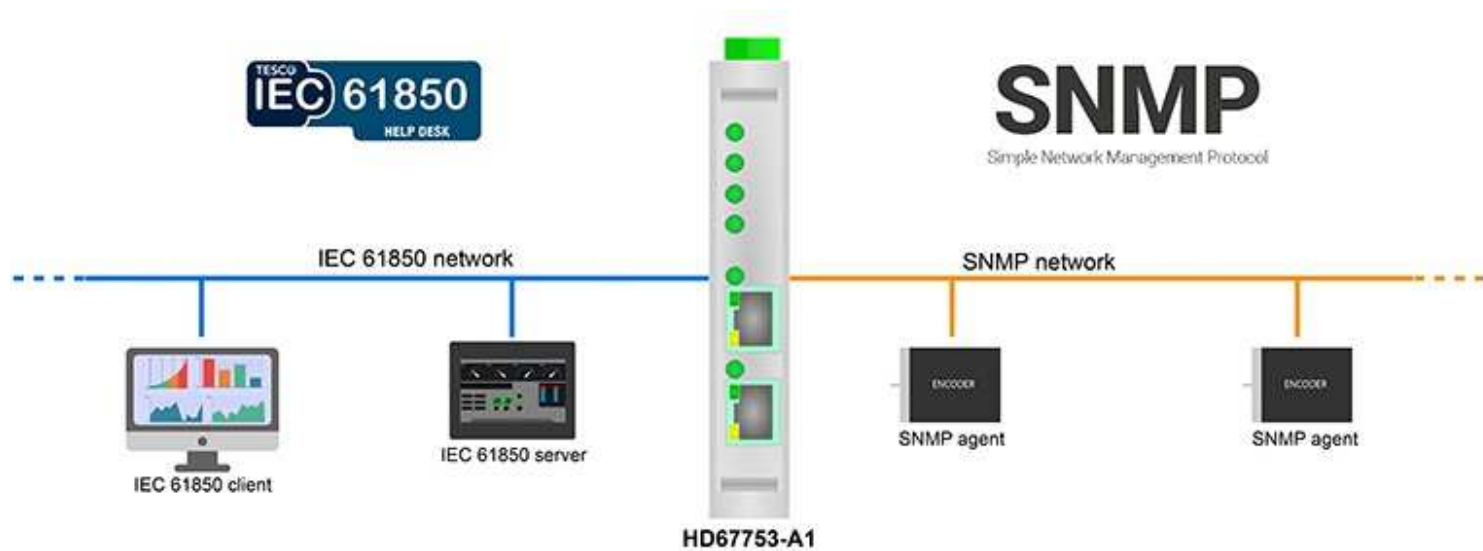


This symbol indicates that non-observance of the safety instructions is a danger for people that could lead to serious injury or death and / or the possibility of damage.

**CE CONFORMITY**

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

## EXAMPLES OF CONNECTION:



## CONNECTION SCHEME:

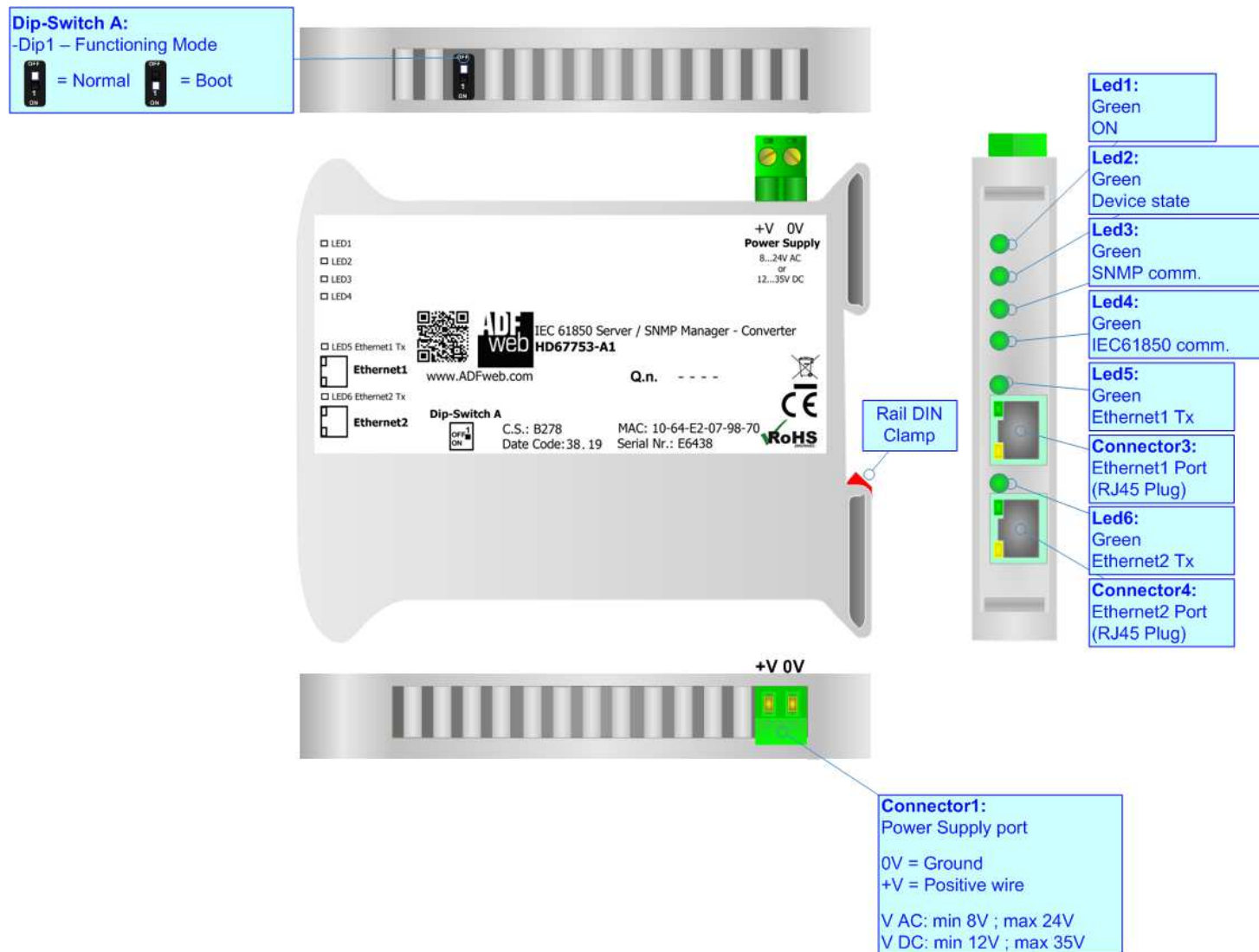


Figure 1: Connection scheme for HD67753-A1

**CHARACTERISTICS:**

The HD67753-A1 are IEC 61850 / SNMP Manager - Converters.

It allows for the following characteristics:

- Up to 512 SNMP requests;
- Isolation between Ethernet - Power Supply;
- Two-directional information between IEC 61850 bus and SNMP bus;
- Mountable on 35mm Rail DIN;
- Wide power supply input range: 8...24V AC or 12...35V DC;
- Wide temperature range: -40°C / 85°C [-40°F / +185°F].


**CONFIGURATION:**

You need Compositor SW67753 software on your PC in order to perform the following:

- Define the parameters of IEC 61850 line;
- Define the parameters of SNMP line;
- Define IEC 61850 variables that contains the data read from the SNMP;
- Define IEC 61850 variables that contains the data to send to the SNMP;
- Define the list of SNMP requests;
- Update the device.

## POWER SUPPLY:

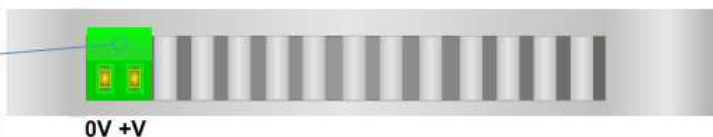
The devices can be powered at 8...24V AC and 12...35V DC. For more details see the two tables below.

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

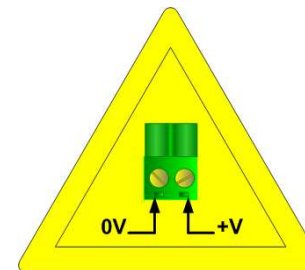
Consumption at 24V DC:

Device	Consumption [W/VA]
HD67753-A1	3.5

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



**Caution: Do not reverse the polarity power**



HD67753-A1

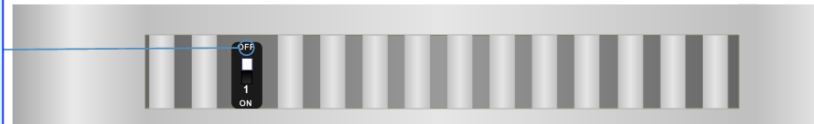
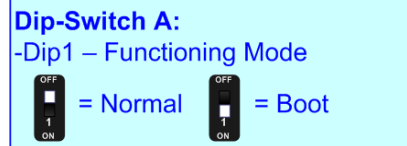
**FUNCTION MODES:**

The device has got two function modes depending on 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 uploading the Project and/or Firmware.

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

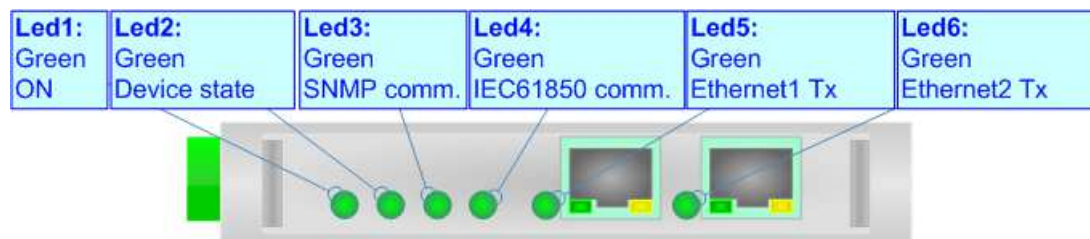
According to the functioning mode, the LEDs will have specific functions, see 'LEDS' section.



## LEDS:

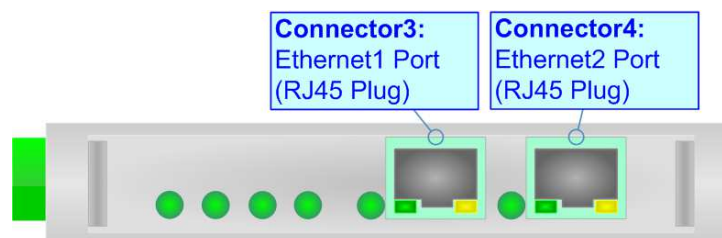
The device has got six LEDs that are used to give information about the functioning status.  
The various meanings of the LEDs are described in the table below.

LED	Normal Mode	Boot Mode
1: ON [supply voltage ] (green)	<b>ON:</b> Device powered <b>OFF:</b> Device not powered	<b>ON:</b> Device powered <b>OFF:</b> Device not powered
2: Device State (green)	Blinks slowly (~1Hz)	<b>Blinks quickly:</b> Boot state <b>Blinks very slowly (~0.5Hz):</b> update in progress
3: SNMP communication (green)	It blinks when a SNMP response is received	<b>Blinks quickly:</b> Boot state <b>Blinks very slowly (~0.5Hz):</b> update in progress
4: IEC 61850 communication (green)	It blinks when a IEC 61850 request is received	<b>Blinks quickly:</b> Boot state <b>Blinks very slowly (~0.5Hz):</b> update in progress
5: Ethernet1 Tx (green)	Blinks when is transmitting Ethernet frames	<b>Blinks quickly:</b> Boot state <b>Blinks very slowly (~0.5Hz):</b> update in progress
6: Ethernet2 Tx (green)	Blinks when is transmitting Ethernet frames	<b>Blinks quickly:</b> Boot state <b>Blinks very slowly (~0.5Hz):</b> update in progress



**ETHERNET:**

IEC 61850 and SNMP connection and the updating of the converter must be made using Connector3 and/or Connector4 of the HD67753-A1 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/PLC/other is recommended the use of a cross cable.



## USE OF COMPOSITOR SW67753:

To configure the Converter, use the available software that runs with Windows called SW67753. It is downloadable on the site [www.adfweb.com](http://www.adfweb.com) and its operation is described in this document. *(This manual is referenced to the last version of the software present on our web site)*. The software works with MSWindows (XP, Vista, Seven, 8, 10 or 11; 32/64bit).

When launching the SW67753, the window below appears (Fig. 2).



### Note:

It is necessary to have installed .Net Framework 4.

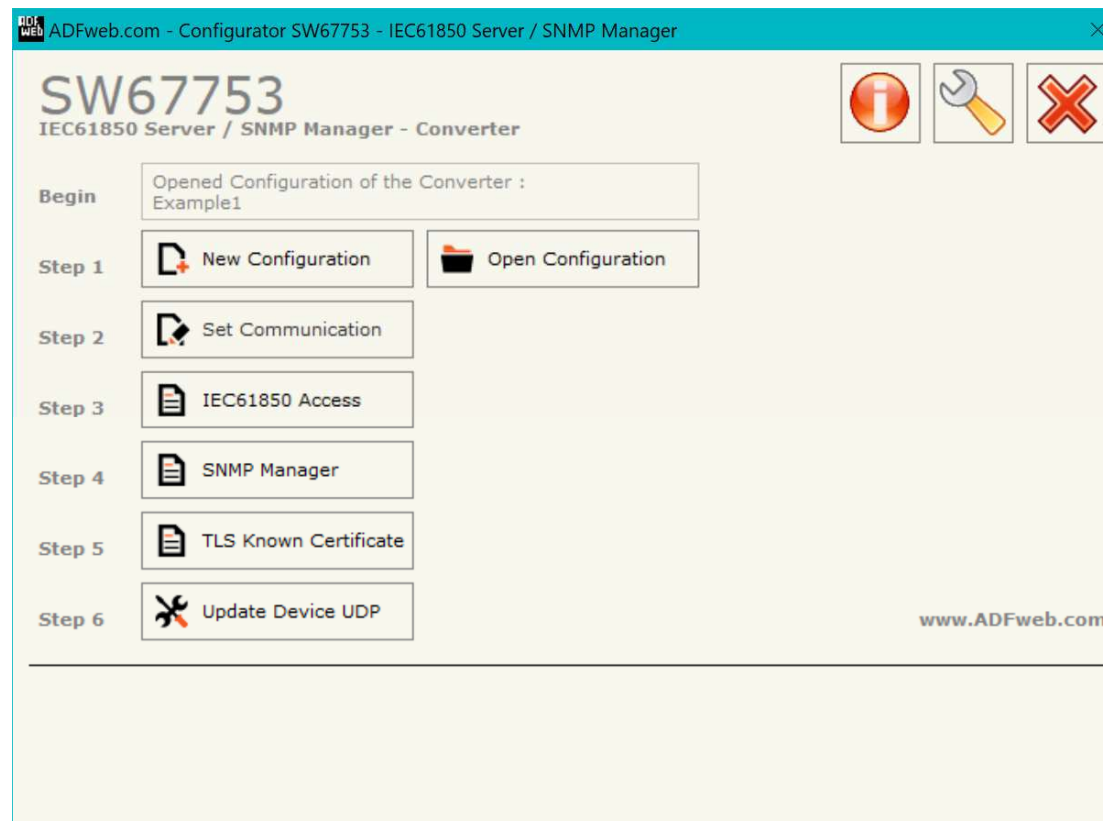


Figure 2: Main window for SW67753

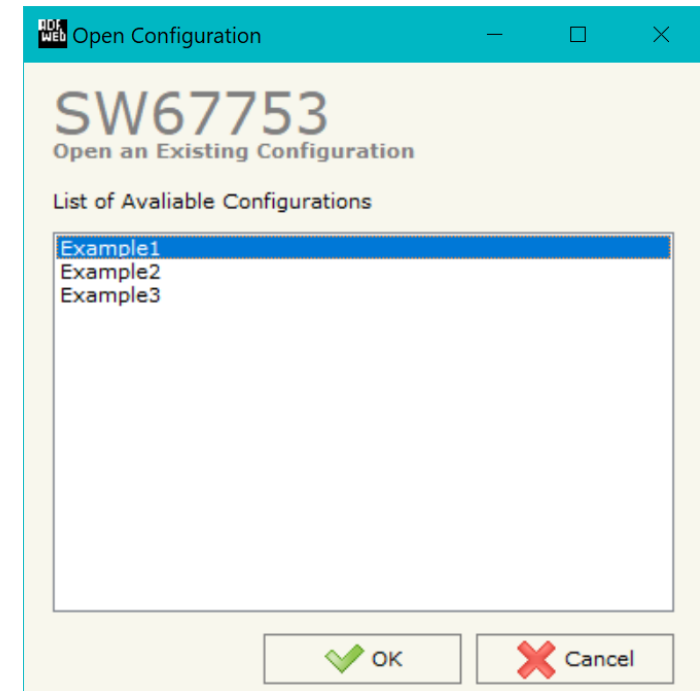
**NEW CONFIGURATION / OPEN CONFIGURATION:**

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




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

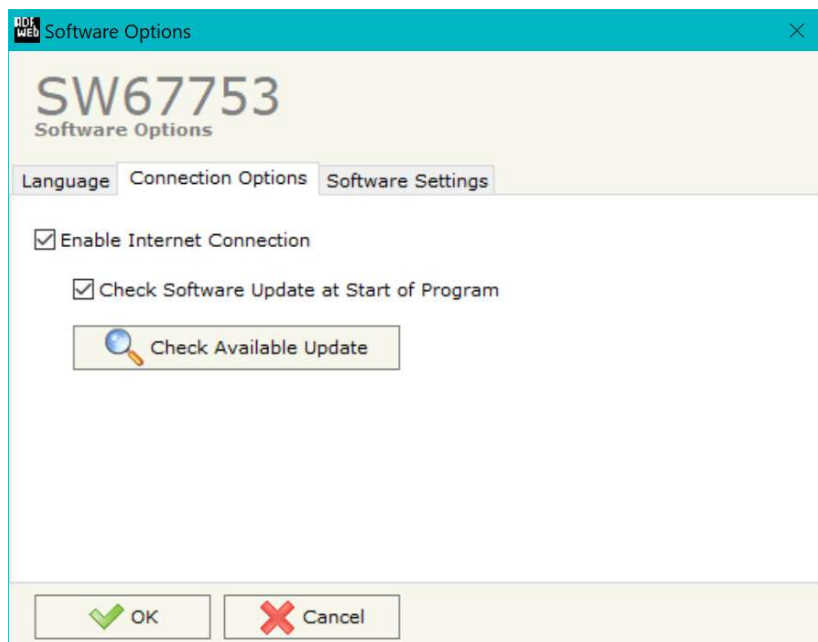
- To clone the configurations of a programmable “IEC 61850 Server / SNMP Manager - Converter” in order to configure another device in the same manner, it is necessary to maintain the folder and all its contents;
- To clone a project in order to obtain a different version of the project, it is sufficient to duplicate the project folder with another name and open the new folder with the button “**Open Configuration**”.



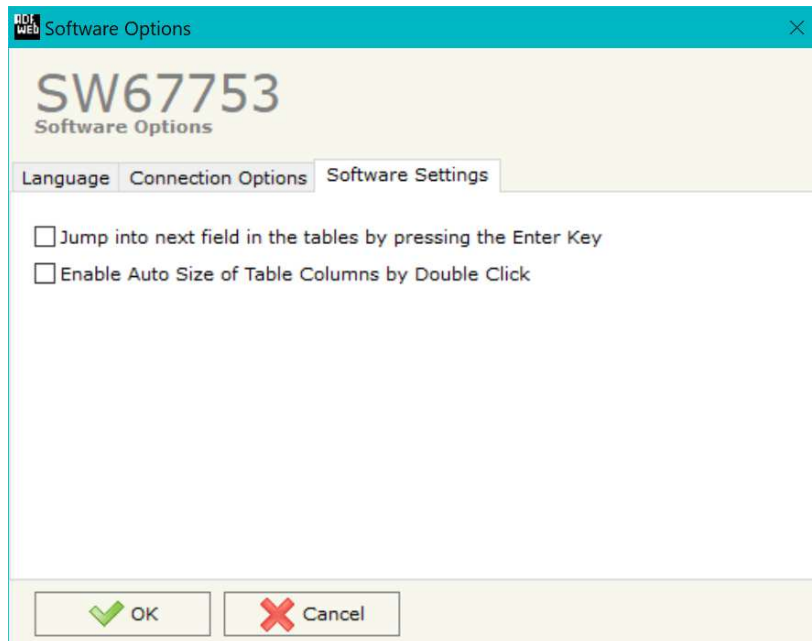
## SOFTWARE OPTIONS:

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 SW67753 checks 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 SW67753 (Fig. 2) the window "Set Communication" appears (Fig. 3).

The window is divided in different sections in order to define the different parameters of the converter:

- Ethernet Connection
- IEC 61850 Server
- TLS (Transport Layer Security) Server
- SNMP Manager
- NTP (Network Time Protocol)

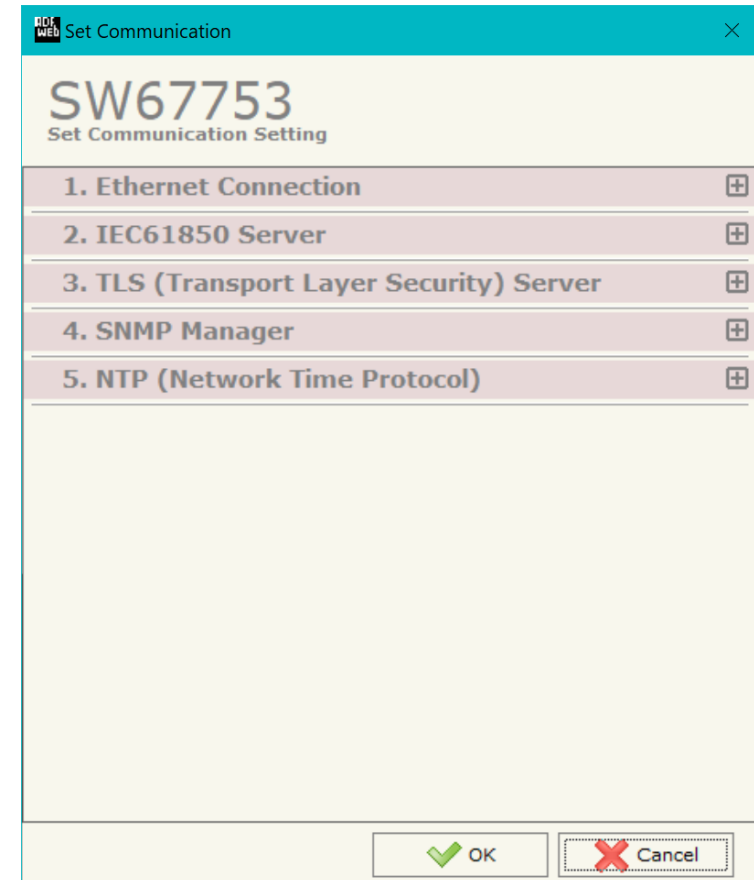


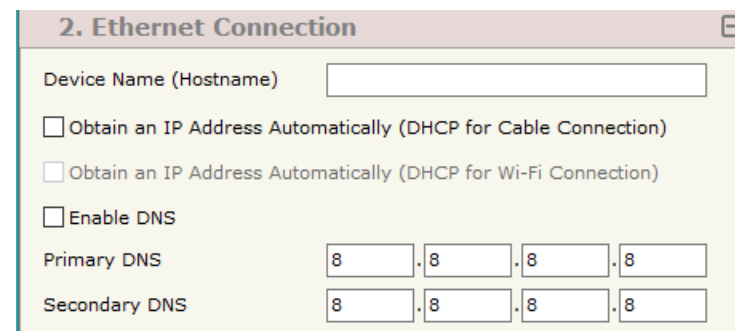
Figure 3a: "Set Communication" window

**ETHERNET CONNECTION:**

This section is used to define the general parameters of Ethernet communication.

The means of the fields are:

- In the field "**Device Name (Hostname)**" the Hostname to assign to the converter is defined;
- If the field "**Obtain an IP Address Automatically (DHCP for Cable Connection)**" is checked, DHCP for LAN connection is enabled;
- If the field "**Obtain an IP Address Automatically (DHCP for Wi-Fi Connection)**" is checked, DHCP for Wi-Fi connection is enabled;
- If the field "**Enable DNS**" is checked, DNS protocol is enabled;
- In the field "**Primary DNS**" the IP Address of the primary DNS server is defined;
- In the field "**Secondary DNS**" the IP Address of the secondary DNS server is defined.



2. Ethernet Connection

Device Name (Hostname)

☐ Obtain an IP Address Automatically (DHCP for Cable Connection)

☐ Obtain an IP Address Automatically (DHCP for Wi-Fi Connection)

☐ Enable DNS

Primary DNS  8  8  8

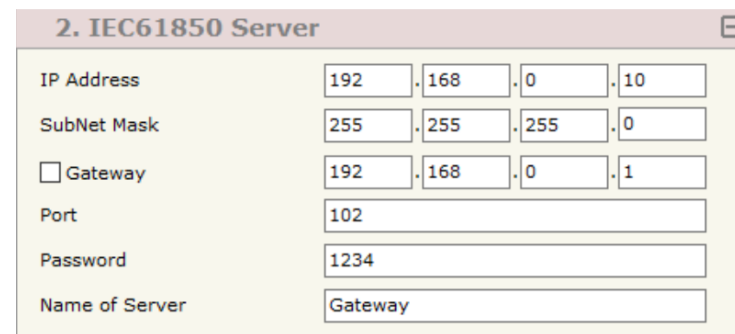
Secondary DNS  8  8  8

Figure 3b: "Set Communication → Ethernet connection" window

**IEC 61850 SERVER:**

This section is used to define the main parameters of IEC 61850 line. The means of the fields are:

- In the field "**IP ADDRESS**" the IP address of IEC61850 side is defined;
- In the field "**SUBNET Mask**" the SubNet Mask of IEC61850 side is defined;
- In the field "**GATEWAY**" insert the default gateway that you want to use. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net;
- In the field "**Port**" the port used for IEC 61850 communication is defined;
- If the field "**Password**" the password used for accessing to IEC 61850 variables is defined;
- In the field "**Name of Server**" the name to assign to the IEC61850 side of the converter is defined.



2. IEC61850 Server

IP Address  192  168  0  10

SubNet Mask  255  255  255  0

☐ Gateway  192  168  0  1

Port  102

Password  1234


Name of Server  Gateway

Figure 3c: "Set Communication → IEC 61850 Server" window

**TLS (TRANSPORT LAYER SECURITY) SERVER:**

This section is used to define the main parameters of TLS protocol. The means of the fields are:

- If the field "**Enable TLS**" is checked, the TLS protocol for secure connection is enabled;
- In the field "**Key**" the key for the authentication is defined;
- In the field "**Key Password**" the password for decrypting the key is defined;
- In the field "**Server Certificate**" the certificate for the server is defined;
- In the field "**Root Certificate**" the root of the server is defined;
- If the field "**Enable Only Known Certificates**" is checked, the converter will accept just connection from known Clients (defined in the section "TLS Known Certificate").



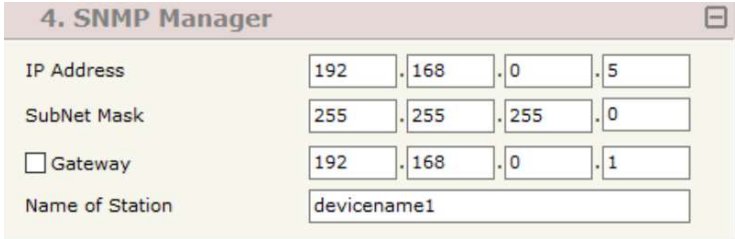
2. TLS (Transport Layer Security) Server			
<input checked="" type="checkbox"/> Enable TLS			
Key	key		
Key Password	keypassword		
Server Certificate	lalala		
Root Certificate	dadada		
<input checked="" type="checkbox"/> Enable Only Known Certificates			

Figure 3d: "Set Communication → TLS" window

**SNMP MANAGER:**

The means of the fields for "SNMP Manager" are:

- In the field "**IP ADDRESS**" the IP address of SNMP side is defined;
- In the field "**SUBNET Mask**" the SubNet Mask of SNMP side is defined;
- In the field "**GATEWAY**" insert the default gateway that you want to use. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net;
- In the field "**Name of Station**" is possible to assign a name to the SNMP node.



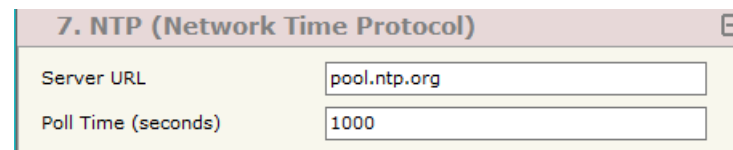
4. SNMP Manager				
IP Address	192	168	0	5
SubNet Mask	255	255	255	0
<input type="checkbox"/> Gateway	192	168	0	1
Name of Station	devicename1			

Figure 3e: "Set Communication → SNMP Manager" window

**NTP (NETWORK TIME PROTOCOL):**

This section is used to define the parameters of NTP protocol. The means of the fields are:

- In the field "**Server URL**" the URL or the IP Address of the NTP Server is defined;
- In the field "**Poll Time (seconds)**" the polling time for the time synchronization is defined.



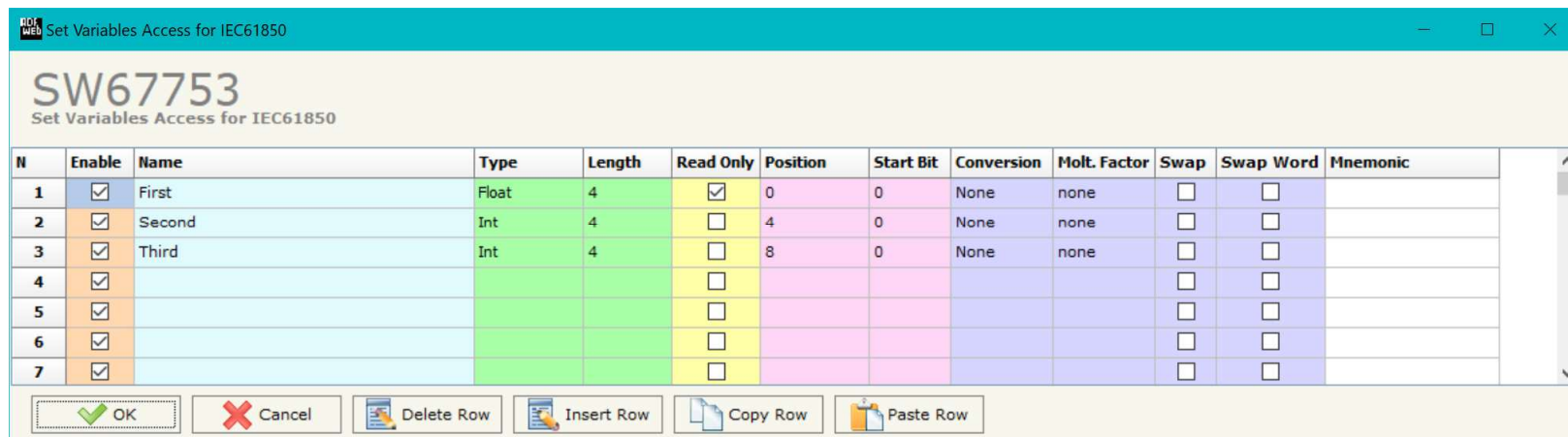
7. NTP (Network Time Protocol)	
Server URL	<input type="text" value="pool.ntp.org"/>
Poll Time (seconds)	<input type="text" value="1000"/>

Figure 3f: "Set Communication → NTP" window

## IEC 61850 ACCESS:

By Pressing the “**IEC 61850 Access**” button from the main window for SW67753 (Fig. 2) the window “Set Variables Access for IEC 61850” appears (Fig. 4).

This section is used to define the IEC 61850 variables from/to which take/map the data of SNMP.



N	Enable	Name	Type	Length	Read Only	Position	Start Bit	Conversion	Molt. Factor	Swap	Swap Word	Mnemonic
1	<input checked="" type="checkbox"/>	First	Float	4	<input checked="" type="checkbox"/>	0	0	None	none	<input type="checkbox"/>	<input type="checkbox"/>	
2	<input checked="" type="checkbox"/>	Second	Int	4	<input type="checkbox"/>	4	0	None	none	<input type="checkbox"/>	<input type="checkbox"/>	
3	<input checked="" type="checkbox"/>	Third	Int	4	<input type="checkbox"/>	8	0	None	none	<input type="checkbox"/>	<input type="checkbox"/>	
4	<input checked="" type="checkbox"/>				<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	
5	<input checked="" type="checkbox"/>				<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	
6	<input checked="" type="checkbox"/>				<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	
7	<input checked="" type="checkbox"/>				<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	

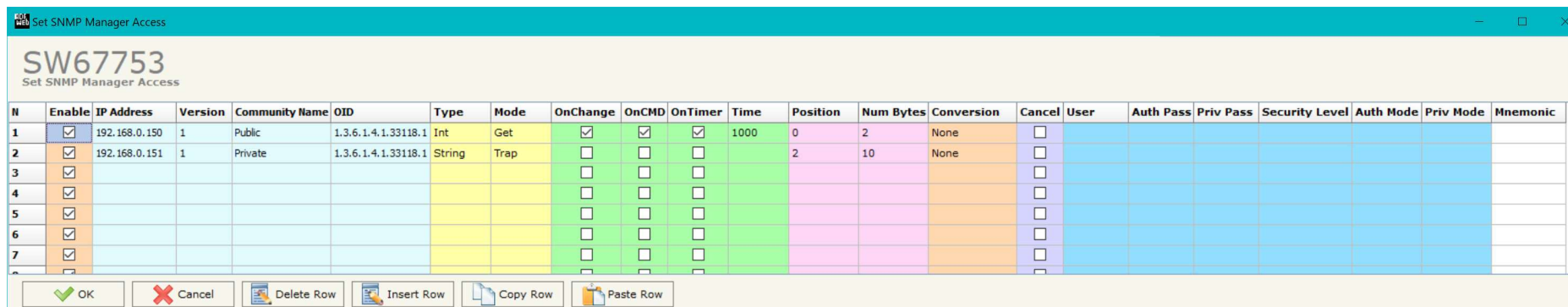
Figure 4: “IEC 61850 Access” window

The means of the fields are:

- If the field “**Enable**” is checked, the IEC 61850 variable is enabled;
- In the field “**Name**” the name of the IEC 61850 variable is defined;
- In the field “**Type**” the data format of the IEC 61850 variable is defined;
- In the field “**Length**” the dimension in byte of the variable is defined;
- If the field “**Read Only**” is checked, the IEC 61850 variable is just in reading. Otherwise, it is writeable too;
- In the field “**Position**” the starting byte of the internal memory arrays from/to which taking/mapping the data is defined;
- In the field “**Start Bit**” the starting bit of the byte of the field “Position” is defined;
- In the field “**Conversion**” the conversion of the data is defined. This option is used to convert the data format between SNMP and IEC 61850;

- In the field "**Mult. Factor**" a multiplicative factor of the value is defined;
- If the field "**Swap**" is checked, the bytes' order is changed;
- If the field "**Swap Word**" is checked, the words' order is changed;
- In the field "**Mnemonic**" a description of the variable is defined.

## SET ACCESS:



N	Enable	IP Address	Version	Community Name	OID	Type	Mode	OnChange	OnCMD	OnTimer	Time	Position	Num Bytes	Conversion	Cancel	User	Auth Pass	Priv Pass	Security Level	Auth Mode	Priv Mode	Mnemonic
1	<input checked="" type="checkbox"/>	192.168.0.150	1	Public	1.3.6.1.4.1.33118.1	Int	Get	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1000	0	2	None	<input type="checkbox"/>							
2	<input checked="" type="checkbox"/>	192.168.0.151	1	Private	1.3.6.1.4.1.33118.1	String	Trap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		2	10	None	<input type="checkbox"/>							
3	<input checked="" type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>							
4	<input checked="" type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>							
5	<input checked="" type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>							
6	<input checked="" type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>							
7	<input checked="" type="checkbox"/>							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>							

Figure 5: "Set SNMP Manager Access" window

By Pressing the "SNMP Manager" button from the main window for SW67753 (Fig. 2) the window "Set SNMP Manager Access" appears (Fig. 5).

The meaning of the fields in the window are the follows:

- If the field "Enable" is checked, the SNMP request is enabled;
- In the field "IP Address" the address of the SNMP Agent device that you have to read/write is defined;
- In the field "Version" the SNMP version used to send the SNMP request (1, 2 or 3) is defined;
- In the field "Community Name" the Community Name used for the SNMP request ('Public' or 'Private') is defined;
- In the field "OID" the OID to read/write from/to the SNMP Agent device is defined;
- In the field "Type" the type of data to read/write ('String' or 'Int') is defined;
- In the field "Mode" the type of SNMP request used ('Get', 'Set' or 'Trap') is defined;
- By checking the field "On Change" the SNMP request (only for the 'Set' Mode) is made only if IEC61850 data written by the Client are changed;
- By checking the field "On CMD" the SNMP request is sent when the IEC61850 variable associated to this specific SNMP request are required/written;
- If the field "On Timer" is checked, the SNMP request is sent cyclically;
- In the field "Time" the delay in ms between two SNMP requests is defined (if "On Timer" is checked);
- In the field "Position" is possible to select the position where take/save the data from/to the internal SNMP array;

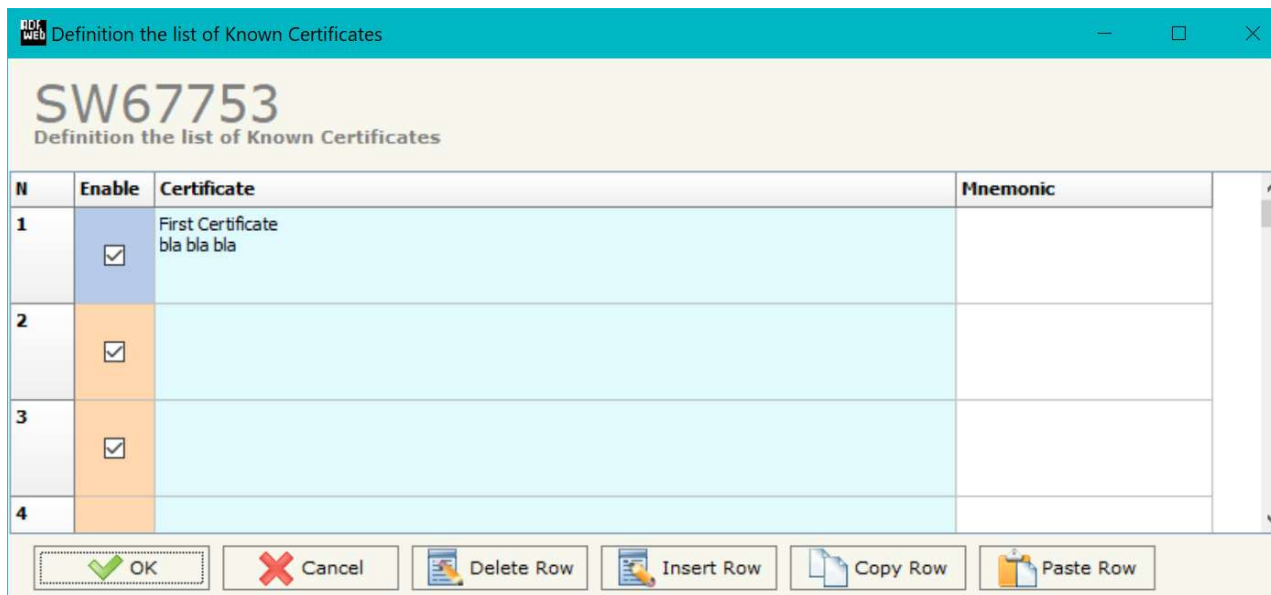
- In the field "**Num Bytes**" is possible to select define the dimension of the SNMP Data;
- If SNMP version is set to '3', the following fields must be set:
  - In the field "**User**" the user for the SNMP authentication is defined;
  - In the field "**Auth Pass**" the password for the SNMP authentication is defined;
  - In the field "**Priv Pass**" the password for Privacy authentication is defined;
  - In the field "**Security Level**" the type of security used is defined;
  - In the field "**Auth Mode**" the mode used for the authentication is defined;
  - In the field "**Priv Mode**" the mode used for Privacy is defined;
- In the field "**Mnemonic**" a description of the data inserted in the row is defined.

**Note:**

If the field "On change" and "On Timer" is checked and the "Poll Time" is different from 0, the converter sends the SNMP writing request cyclically and also when the data is changed.

**Note:**

If the "Trap" mode is used, the fields "On CMD", "On Change" and "On Timer" must be disabled.

**TLS KNOWN CERTIFICATE:**

N	Enable	Certificate	Mnemonic
1	<input checked="" type="checkbox"/>	First Certificate bla bla bla	
2	<input checked="" type="checkbox"/>		
3	<input checked="" type="checkbox"/>		
4	<input checked="" type="checkbox"/>		

Figure 6: "TLS Known Certificate" window

By pressing the **"TLS Known Certificate"** button from the Main Window of SW67753 (Fig. 2) the "Definition the list of Known Certificates" window appears (Fig. 6).

The data of the columns have the following meanings:

- If the field **"Enable"** is checked, the TLS certificate is allowed;
- In the field **"Certificate"** the certificate of the Client is defined;
- In the field **"Mnemonic"** a description is defined.

**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.

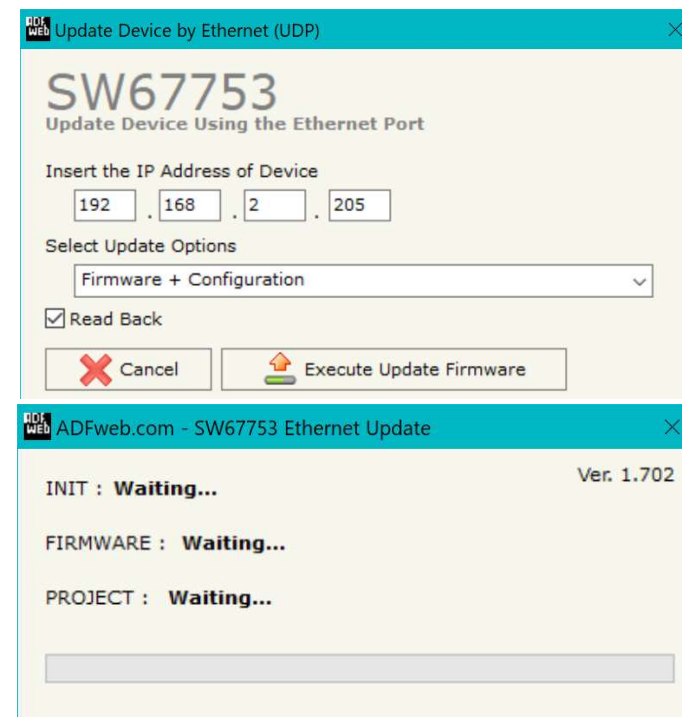


Figure 7: "Update device" windows

**Note:**

When you receive the device, for the first time, you also have to update the Firmware in the HD67753 device.

**Warning:**

If Fig. 8 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, 10 or 11 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 or 11 you have to launch the "Command Prompt" with Administrator Rights;
- Pay attention at Firewall lock.

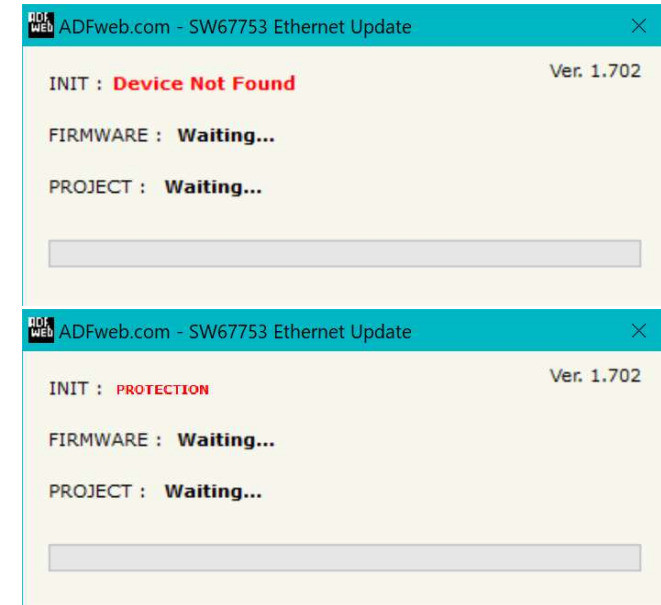
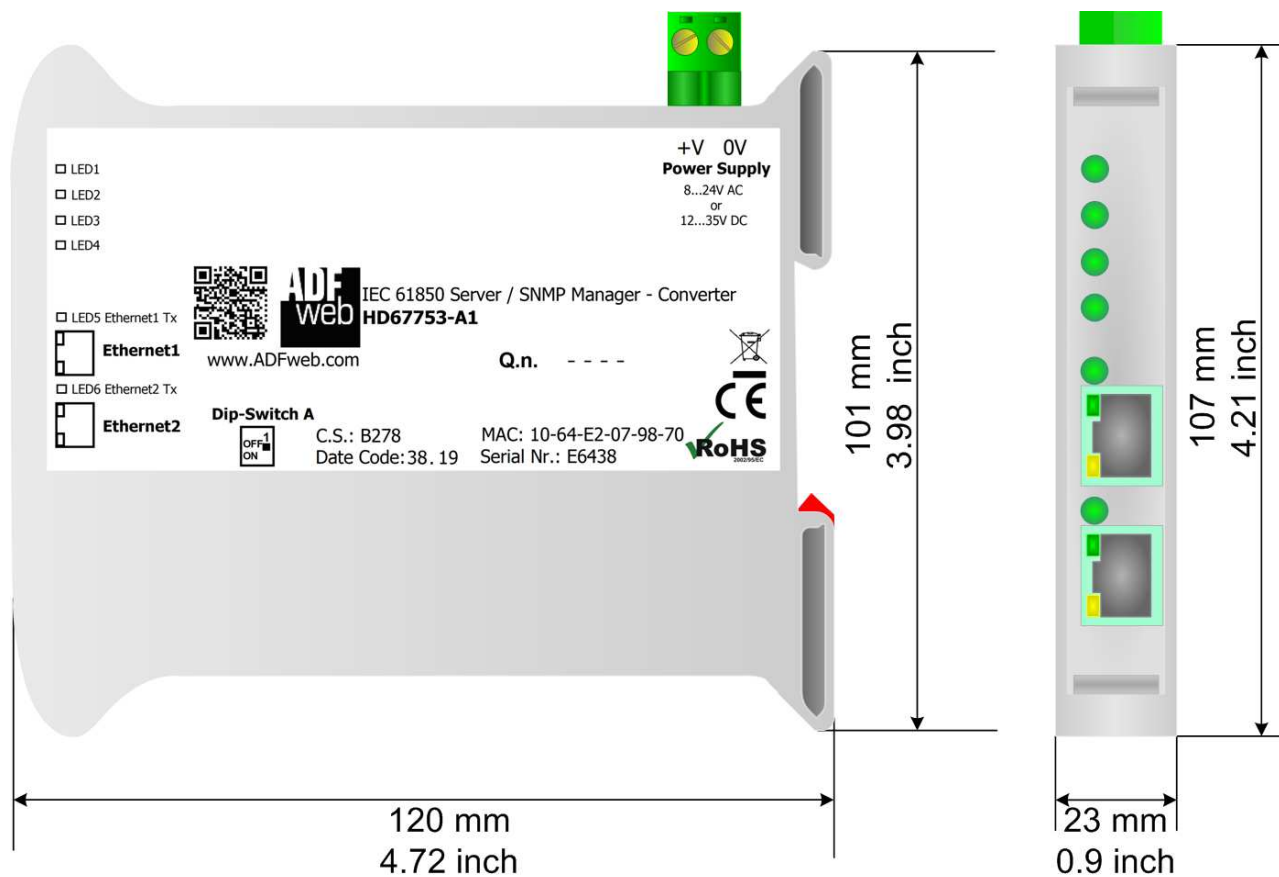


Figure 8: "Error" window

**Warning:**

In the case of HD67753 you have to use the software "SW67753": [www.adfweb.com/download/filefold/SW67753.zip](http://www.adfweb.com/download/filefold/SW67753.zip).

## MECHANICAL DIMENSIONS:



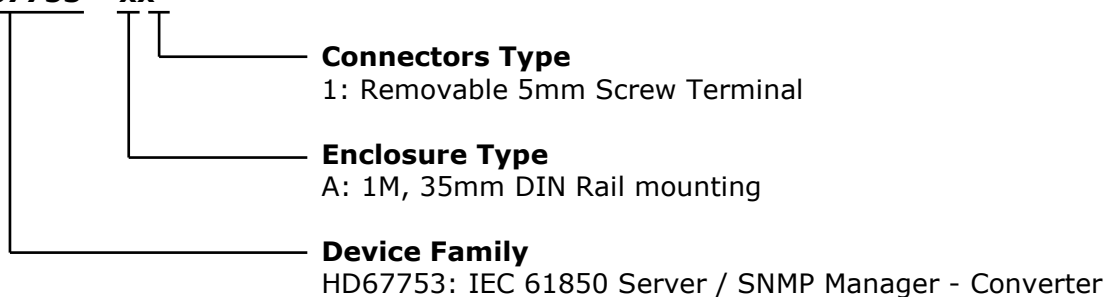
Housing: PVC  
Weight: 200g (Approx)

Figure 9: Mechanical dimensions scheme for HD67753-A1

## ORDERING INFORMATION:

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

### **HD67753 - xx**



Order Code: **HD67753-A1** - IEC 61850 Server / SNMP Manager - 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:**

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**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](http://www.adfweb.com). Otherwise contact us at the address [support@adfweb.com](mailto: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](http://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](http://www.adfweb.com)

