20003101

SN

SH BUS

Home
Comelit

SERIAL BRIDGE

SD CARD EJECT
NETW. RESET
TOTAL RESET

RS232 / 485

POWER / STATUS

CE

ON
1 2 3 4 5 6

User manual for Serial Bridge Art. 20003101

CSQ

CERTIFIED IQNet

CSQ
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Passion and Innovation

INDEX

Introduction

The multifunctional Serial Bridge module makes it possible to communicate with the SimpleHome home automation system and with S-Series and VEDO anti-intrusion systems.

It can be used as follows:

- **Weekly schedule programming:** sends commands to outputs, zones, scenarios and thermostats within the system.
- **Rule management:** programs logic rules for the generation of an event.
- **Scenario management:** programs scenarios for sending commands to the SimpleHome automation system and/or the S-Series or VEDO security system.
- **Management via browser:** allows the user to directly access the security and home automation systems from an internet browser, in order to control the security system or the automation system by means of simple commands.

Configuration must take place via the WEB interface.

Access to Web pages

To access the Web pages via browser (from PC, tablet, smartphone...):

Local connection:
1. Open your browser.
2. Enter the address **192.168.1.252** (or the IP address provided by your installer) in the address bar and press enter.
3. If requested, enter the user password provided by your installer (default = 111111) and confirm.
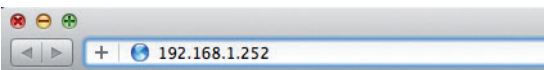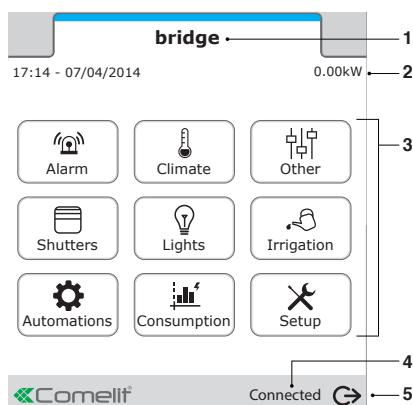

Remote connection:
1. Open your browser.
2. Enter the hostname provided by your installer (e.g. "XXXXXX.comelitdns.com") in the address bar and press enter.
3. If requested, enter the user password provided by your installer (default = 111111) and confirm.
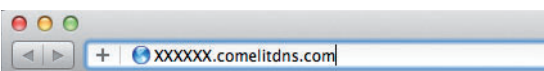
Description of the interface

1. Current page header.
2. "Date and consumption" toolbar.
3. Buttons for accessing the internal pages used to view and control the available functions and to configure the device.
4. Connection and authentication status message (connected, not authenticated, not authorised...).
5. Logout button.

▶ Press Alarm/Climate/Other.... to access the respective sections.

▶ Press [⊞] to return to the initial screen.

▶ Press [↵] to return to the previous screen.

The menu icons change depending on the type of system installed and the functions available. To navigate the menu, simply press the icon corresponding to the desired function.

The icons on the home screen provide feedback on the status of the active elements within the relevant section:

Status of the icons on the home screen							
no active element	Climate	Other	Shutters	Lights	Irrigation	Automations	Scenarios
some active elements	Climate	Other	Shutters	Lights	Sprinkler	Automations	Scenarios
all elements active	Climate	Other	Shutters	Lights	Irrigation	Automations	Scenarios

Status of the "alarm" icon on the home screen					
Alarm deactivated across the entire system	Alarm activated across the entire system	Alarm partially activated: only a few areas and/or a few partial settings are active	Sabotage/fault	Alarm memory?	In alarm

Alarm (for VEDO control panels)
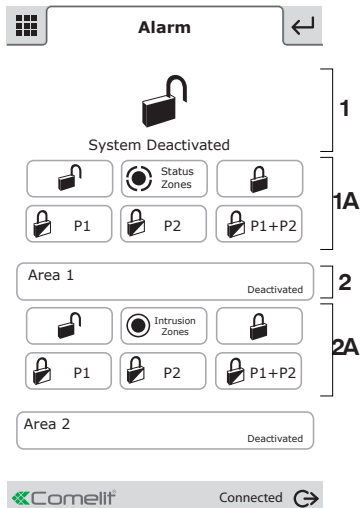
The Alarm section can be used to activate, deactivate and view the status of the alarm system areas.

This chapter illustrates "alarm" section operation for VEDO series control panels. The display looks different for S-series control panels.

(1) Alarm system status icon		
System Deactivated Alarm deactivated	System Activated Alarm activated across the entire system	Partial Activation Alarm partially activated: only a few areas and/or a few partial settings are active
Alarm Memory Alarm in memory alert	Alarm in progress Alarm in progress	In sabotage System in sabotage
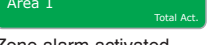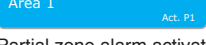
(1A) Alarm control buttons for the entire system		
Deactivates the alarms activated across the entire system	Status Zones — Displays the status of zones across the entire system (open, omitted, isolated, sabotaged/faulty, in alarm)	Activates the alarms across the entire system
P1 — Activates partial 1 across the entire system (and deactivates partial 2, if active)	P2 — Activates partial 2 across the entire system (and deactivates partial 1, if active)	P1+P2 — Activates partial 1 and 2 across the entire system
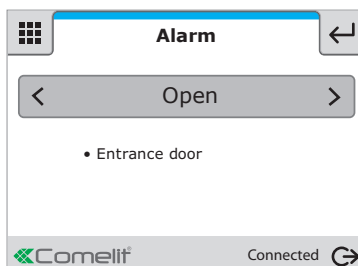
▶ Press [Status Zones] to view the status of zones across the entire system.

▶ Use [<][>] to scroll through the zone statuses (open, omitted, isolated, sabotaged/faulty, in alarm).

▶ Press an entry on the list (e.g.: "Entrance door") to "omit" or "isolate" the zone.

(2) Zone alarm status bar		
Area 1 — Deactivated Zone alarm deactivated	Area 1 — Total Act. Zone alarm activated	Area 1 — Act. P1 Partial zone alarm activated
Area 1 — In sabotage Area in sabotage	Area 1 — Alarm memory Zone alarm in memory alert	Area 1 — Alarm in progress Alarm in progress

(2A) Alarm control buttons for an area		
Deactivates the alarms activated in a specific area	Intrusion Zones — Displays the status of zones across the area (open, omitted, isolated, sabotaged/faulty, in alarm, in fault)	Activates the alarms for a specific area Indicates that the alarms are active Indicates that the system is not ready for activation, and forcing is required

[🔒 P1] Activates partial 1 across a specific area (and deactivates partial 2, if active) [🔒 P1] Indicates that the partial set is active [🔒 P1] Indicates that the system is not ready for activation, and forcing is required	[🔒 P2] Activates partial 2 across a specific area (and deactivates partial 1, if active) [🔒 P2] Indicates that the partial set is active [🔒 P2] Indicates that the system is not ready for activation, and forcing is required	[🔒 P1+P2] Activates partial 1 and 2 across a specific area [🔒 P1+P2] Indicates that the partial sets are active [🔒 P1+P2] Indicates that the system is not ready for activation, and forcing is required

zone status legend	
[icon]	Zone open
[icon]	Zone faulty
[icon]	Zone isolated
[icon]	Zone excluded
[icon]	Zone in standby
[!]	Zone error
[icon]	Zone in sabotage

Intrusion Zones

⬅ **Area 1** ➡

[!][icon] Entrance door

Comelit — Connected ↪
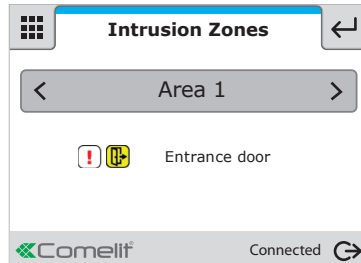
▶ Press [Intrusion Zones] to view the status of zones in an area.

▶ Use ⬅ ➡ to scroll through the system partitions.

▶ Press an entry on the list (e.g.: "Entrance door") to "omit" or "isolate" the zone.

Climate

Climate

BATHROOM	24.6°C

[❄] **24.6°C** [💧] [A]

[−] 21.2°C [+] [M]

[ON] [slider] [🖐️]

LIVING ROOM	23.6°C
BEDROOM	23.7°C

Comelit — Connected ↪
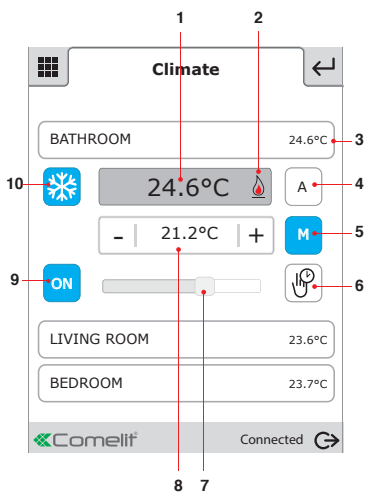
The climate section can be used to monitor and adjust room temperatures.

▶ Press [Climate] to access the Climate menu.
▶ Press the desired room (for example: BATHROOM).

1. Room temperature.
2. Boiler 💧 / air-conditioning ❄ on indicator.
3. Room displayed.
4. Automatic mode.
5. Manual mode.
6. Forcing of timed custom mode.
7. Room temperature adjustment slider.
8. Desired temperature.
9. System on / off.
10. Summer [☀] / winter [❄] mode selection (cooling / heating management).

▶ Press [ON] (system on) to change the status to [OFF] (system off) and vice-versa.

▶ Press summer mode [☀] to switch to winter mode [❄] and vice-versa.

▶ Press the [M] icon to set the climate to manual mode and use the + and – selectors (or the adjustment slider) to adjust the temperature of the room.
  » *The icon will turn blue*

▶ Press the [A] icon to set the climate to automatic mode and use the programming set on the master supervisor.
  » *The icon will turn blue*

[🖐️] indicates that timed custom mode has **not** been activated on the master supervisor.

[🖐️] indicates that timed custom mode has been activated on the master supervisor.

⚠ **Options: "Automatic mode", "Manual mode" and "Forcing timed custom mode" are not available if the Serial Bridge is set as a main device (MASTER).**

Other / Lights / Irrigation / Automations
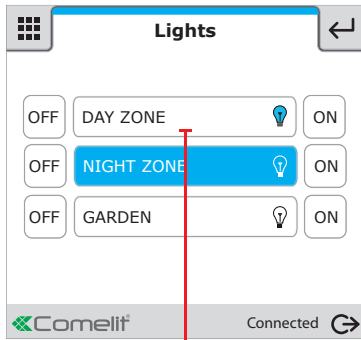
The Other / Lights / Irrigation / Automations section can be used to control the corresponding elements.

▶ Press [Other] / [Lights] / [Irrigation] / [Automations] to access the relevant sections and control the zones using the ON /OFF commands.

Element statuses				
all elements are off				
some controlled elements in the room (e.g. DAY ZONE) are active				
all controlled elements in the room (e.g. DAY ZONE) are active				
single active element				

Irrigation legend	
	Irrigation
	timed irrigation
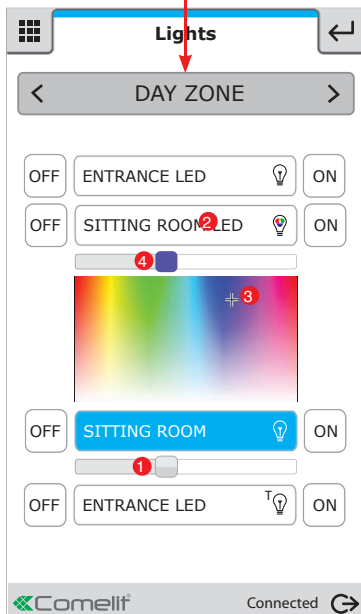
▶ Press [Other] / [Lights] to access the relevant sections, press a specific room (for example: DAY ZONE) and control the individual elements using the ON/OFF commands.

If there is an adjustment slider:
▶ move the slider [1] to set the desired intensity.

If RGB lights are used, their colour and brightness can be adjusted:
▶ Click the element you wish to set [2] and select the desired tone on the colour spectrum [3].
▶ Move the slider to set the desired intensity [4].

Element statuses		
element off		
single active element		

other outputs legend		lights legend	
	other		lights
	timed other		RGB lights
			timed light

Shutter

The Shutters section can be used to open or close one shutter or all the shutters in a room.

1. Press [Shutters] to access the shutters section.
2. Press [▽] to close the shutters in the controlled room, and press [△] to stop downward movement.
   Or
   Press [△] to open the shutters in the controlled room, and press [▽] to stop upward movement.

DAY ZONE   The blue bar indicates that the shutters in the controlled zone are working.
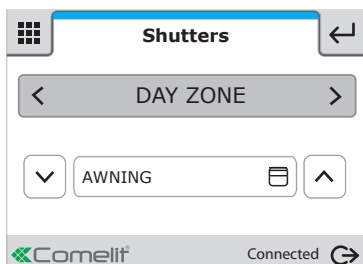
1. Press [Shutters] to access the shutters section.
2. Press a specific room (for example: DAY ZONE) and control the individual elements using [△] [▽].

   Press [▽] to close the shutter, and press [△] to stop downward movement.
   Or
   Press [△] to open the shutters in the controlled room, and press [▽] to stop upward movement.

DAY ZONE   The blue bar indicates that the shutter in the controlled zone is working.

[△] [▽]   The blue arrow indicates whether the shutter is opening or closing.

Consumption
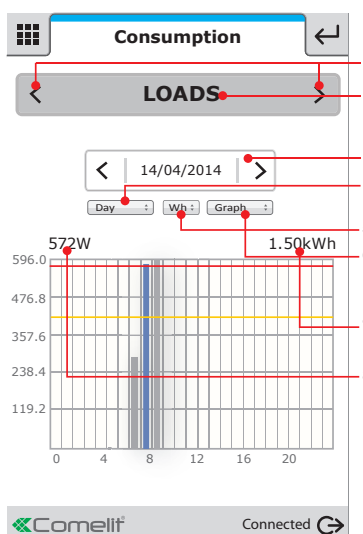
This menu can be used for monitoring consumption though graphs and tables.

▶ Press [Consumption] to access the Consumption menu.

1. Scroll through available meters.
2. Meter currently displayed.
3. Scroll through days / months / years / log.
4. Change day / month / year / log mode.
5. Change unit of measurement.
6. Change graph / table display.
7. Total consumption value for the displayed graph.
8. Instant load consumption value.

If the maximum consumption setpoints have been set (see Setup/Consumption/Setpoints), the consumption limits are displayed:
- In "graph" mode: yellow line from 75% to 100%, red line over 100%.
- In "table" mode the check boxes are coloured to indicate the consumption level.

Period	kWh	
0-1	0.001	from 0% to 75%
1-2	475.0	from 75% to 100%
2-3	596.0	over 100%

Scenarios
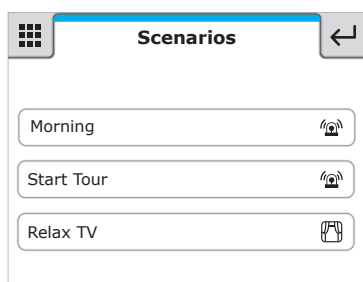
The Scenarios section can be used to activate programmed scenarios.
▶ Press the scenario to activate it.

Relax TV   the blue bar indicates that the scenario is being executed.

Setup

bridge

17:14 - 07/04/2014

Enter User Password

Configuration

17:14 - 07/04/2014

Date and time

Enable Timers

Consumption

User codes

Dynamic DNS

Advanced

Firmware:
IP address: 172.24.2.186
Subnet Mask: 255.255.0.0
Gateway: 172.24.255.254
Primary DNS: 172.24.0.30
Secondary DNS: 172.24.0.44
MAC address: 00:04:A3:CE:D5:75

✕Comelit®   Connected
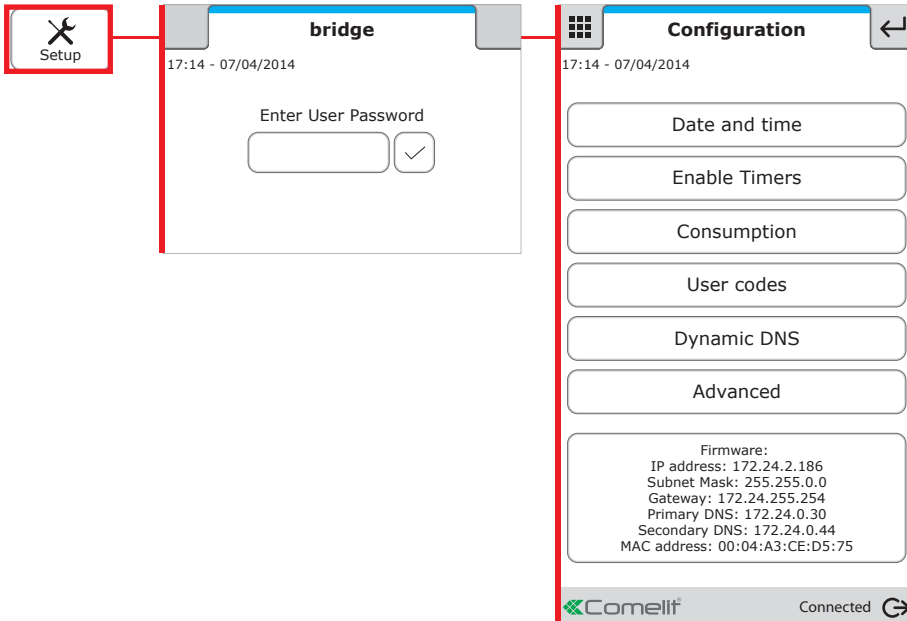
This menu can be used to configure the date and time, enable timers (configured via Setup/Advanced), set consumption setpoints and rates, change the user code, set a dynamic DNS address and access advanced settings.

1. Press Setup to access the menu.
2. Enter the user password (default = 111111) and confirm.
3. Select the menu entry you want to configure.

Setup / **Date and Time**

Date and time

Date and time

| Date and time | DD/MM/YYYY | 14/04/2014 |
| | HH:MM | 10:01 |

Enable NTP (automatic time/date from Internet) ☑

Time difference   (GMT +1:00) Rome, Brussels. Copenhag ⬍

Automatic switch to DST
Automatic (Europe only) ⬍

Astronomical dawn/dusk device

Sunrise: 06:34 - Sunset: 20:05

Use the stop as a decimal point

| Latitude: | 45.8782 | N |
| Longitude: | 9.9746 | E |

Sunrise variation: 0min ⬍
Sunset variation: 0min ⬍

Save

This menu can be used to set the device date and time, as well as the Astronomical dawn/dusk device.

Date and time

Date and time: the values can only be changed when enable NTP is deactivated.

Enable NTP (automatic time/date from Internet): enables automatic updating of date and time via the web. Only works if the bridge is connected to the Internet.

Time difference: select the reference time difference.

Automatic switch to DST: select "Automatic (Europe only)" to set the automatic switch to DST.
(only with enable NTP active)   select "Specify date" to specify the time interval in which DST is applied.

Automatic switch to DST
Specify date ⬍

From: 15 / 3
To: 15 / 9
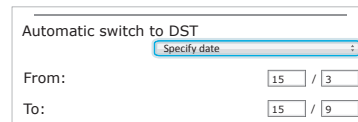
Astronomical dawn/dusk device

*Sends commands at sunset and sunrise (see Setup/Advanced/**Rules**), according to the latitude and longitude of the installation site (to avoid installation of external dawn/dusk devices).*

Latitude / Longitude: set the relevant coordinates for automatic updating of the dawn/dusk clock.

Sunrise variation / Sunset variation: adjust these values to bring the sunrise and sunset times forward or set them back.

For example: if you want to switch on the outside lights at sunset, leave the sunset variation at 0. If you want to switch them off 2 hours before sunrise, set the sunrise variation to -120 min.

Enable Timers

"Day" timer

Timer number:	2 - Day
Timer enabling:	☑
Timer start:	HH:MM 00:00
Enabled days:	☑ Mo ☑ Tu ☑ We ☑ Th ☑ Fr ☑ Sa ☑ Su
Timer End:	HH:MM 00:00
Enabled days:	☑ Mo ☑ Tu ☑ We ☑ Th ☑ Fr ☑ Sa ☑ Su

Save
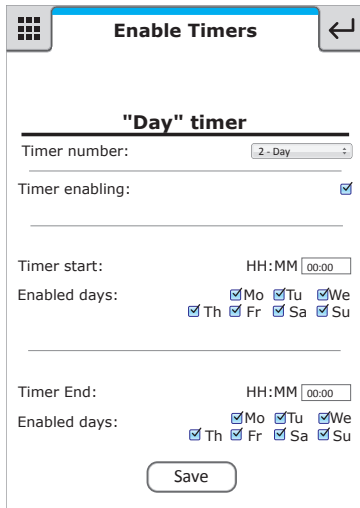
This menu can be used to activate/deactivate the programmed timers and change timer operating times/days.

Timer number: select the timer you want to activate *(programmed via Setup/Advanced/**Timers**)*.

Timer enabling: enables the selected timer.

Timer start: timer start time. The timer start times can be changed.

Enabled days: days on which the timer will be started. The timer operating days can be changed.

N.B.: with the "virtual timer", the "Timer end" times can also be changed.

Consumption

Display

Thresholds

Rates

Settings

Reset

Toolbar:	None
Currency:	€
CO2 constant:	0.53100 kg/kWh

Save
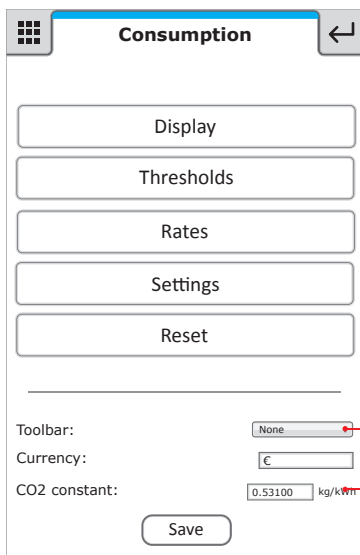
This menu can be used to set which consumption values to display on the consumption menu, decide which consumption value to display on the homepage, change the maximum consumption setpoints by hour, day, month or year; change the rates by day and time band.

Toolbar: select which meter to monitor via the toolbar on the homepage.

Currency: enter the currency symbol you want to set for calculating consumption.

CO2 constant: enter the CO2 constant to monitor the CO2 not released into the atmosphere, in the case of energy production systems (photovoltaic systems...). The **"CO$_2$ Saved"** graph can be viewed via Home/**Consumption**.

HOME / CONSUMPTION / CO$_2$ SAVED

HOME

bridge

17:14 - 07/04/2014   0.00kW

Consumption

CO$_2$ Saved

14/04/2014

Day | to | Graph

0kg

0,000

0   4   8   12   16   20

Display meters

Description:	Visibility
Electricity	☑
Gas	☑
Water	☑
Input 2	☑
Input 3	☑

Save
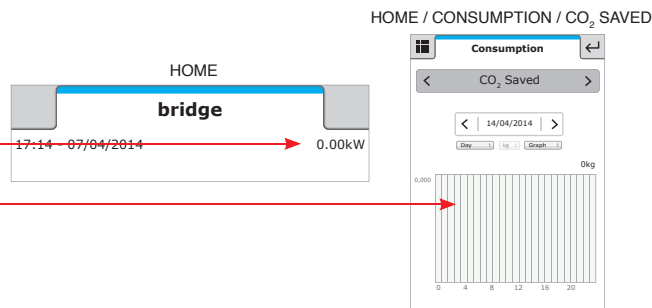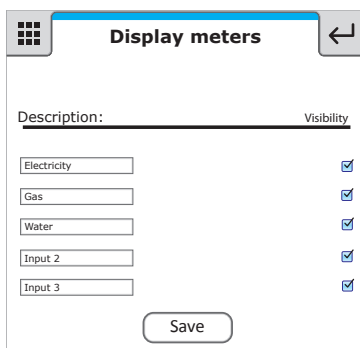
This menu can be used to rename the meters connected to the system and select the meters that you wish to view in the consumption menu area.

Description: description associated with the meter.
Visibility: makes the meter in the consumption menu visible.

Thresholds

"Consumption" thresholds

Meter:	consumption	
Time	0.00000	kWh
Day	0.00000	kWh
Month	0.00000	kWh
Year	0.00000	kWh

Save

This menu can be used to set the **maximum consumption setpoints for hours, days, months and years** in order to obtain an immediate visual comparison on the graph and in the consumption table when the set setpoint for the period is exceeded. Yellow = 75% of the set setpoint, Red = 100% of the set setpoint.

Meter: select the meter for which you want to set the setpoints.

Time/Month/day/Year: set the maximum consumption setpoint for the corresponding time interval.

Rates

Rate: "Electricity production"

Meter:	Elect. consumption		
Rates	1	0.09800	€/kWh
	2	0.00000	€/kWh
	3	0.00000	€/kWh
	4	0.00000	€/kWh
	5	0.00000	€/kWh

Time slot: Select a rate

Start:	End	Mon	Tue	Wed	Thur	Fri	Sat	Sun
0	6	1	1	1	1	1	2	2
6	20	1	1	1	1	1	2	2
20	24	2	2	2	2	2	2	2

Save

This menu can be used to set the meter rates according to time bands. The information will then be used to construct the consumption graphs in the Consumption menu (Home/**Consumption**).

1. **Meter:** select the meter for which you want to set the setpoints, for example: "Elect. consumption".
2. **Rates:** set the rates according to time.
3. **Time slot:** set the start and end of each time band, and associate the time bands with the corresponding rate for every day of the week.

⚠ **CAUTION: daily rate programming must refer to the whole 24-hour cycle; any hours not programmed by the user will be set by the system automatically.**

Settings

"GAS" settings

Meter:	GAS
Unit of measurement:	mc
Scale factor:	1.00000

Save

This menu can be used to view the settings for the pulse meter module used to measure water, GAS, etc...).

Meter: select the meter for which you want to change the settings.

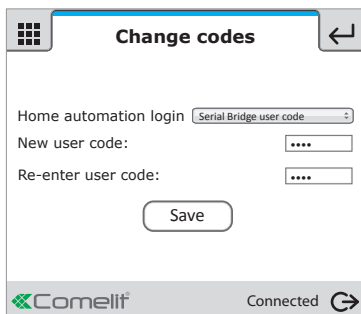**Unit of measurement:** enter the unit of measurement for that meter.

Scale factor: enter a multiplication factor if you want to convert different units of measurement (for example, from litres to imperial gallons, 4.54609).

Reset count

17:14 - 07/04/2014

Reset meters: are you sure?

No Yes

This menu can be used to reset all meters.

▶ Press **"Yes"** to reset all meters.

Change codes

Home automation login [Serial Bridge user code ⇅]
New user code: [••••]
Re-enter user code: [••••]

Save

Comelit   Connected

This menu can be used to change the user code:

√ **The code can consist of letters a-z (capitals or lower case) and/or digits 0-9.**
√ **The password is case-sensitive (a difference is detected between capitals and lower case letters).**
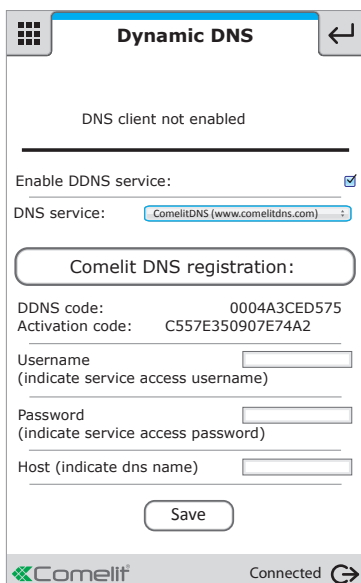√ **Min. length 4 characters - Max. 10 characters.**

Home automation login: the drop-down menu can be used to set the "Home automation login" as:

S-series control panels	VEDO control panels
no user code (default): to access all "user sections" (except SetUp and Alarms) without entering the user password. A user password should nevertheless be set for accessing the Setup and Alarms sections.	**no user code (default):** to access all "user sections" (except SetUp and Alarms) without entering the user password. It is nevertheless necessary to know the "VEDO control panel user code" (configured via Safe Manager*) in order to access the "Alarms" section and set a password for accessing the Setup section.
serial bridge user code: to access all "user sections".	**serial bridge user code:** to access all "user sections" (except Alarms). It is nevertheless necessary to know the "VEDO control panel user code" (configured via Safe Manager*) in order to access the "Alarms" section.
	VEDO control panel user code: to access all "user sections" using the VEDO user code (configured via Safe Manager*).

* default 111111

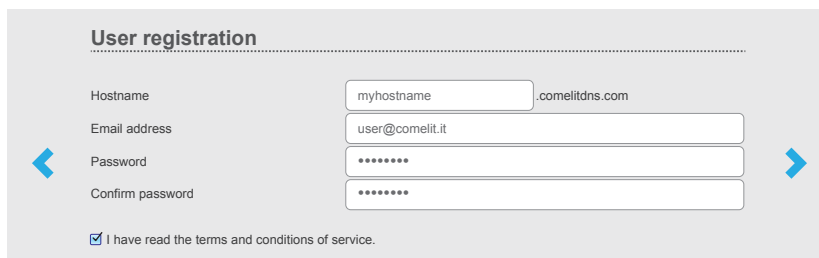▶ To set a new user code, enter a new password and press "Save".

Dynamic DNS

DNS client not enabled

Enable DDNS service: ☑
DNS service: [ComelitDNS (www.comelitdns.com) ⇅]

Comelit DNS registration:

DDNS code: 0004A3CED575
Activation code: C557E350907E74A2
Username
(indicate service access username)
Password
(indicate service access password)
Host (indicate dns name)

Save

Comelit   Connected

This menu can be used to associate a dominion name (for remote connection) with the public IP address of the Serial Bridge Art. 20003101.

1. **Enable DDNS service:** tick this option to enable the DNS service.
2. **DNS service:** select, for example, **Comelit DNS** to use the free Comelit service.
3. Press "Comelit DNS registration" and complete user registration (making a note of the data entered) on the website **www.comelitdns.com** to which you are automatically directed.
   ⚠ **You must be connected to the Internet to carry out this procedure.**

User registration

Hostname	[myhostname]	.comelitdns.com
Email address	[user@comelit.it]	
Password	[••••••••]	
Confirm password	[••••••••]	

☑ I have read the terms and conditions of service.

4. Press ▶ to register the product. A confirmation email will be sent to the email address entered during the "user registration" process; follow the instructions in the message to complete the activation procedure.
5. Return to the Serial Bridge WEB page and enter the email address used for registration, the password and the submitted hostname in the "Username", "Password" and "Host" fields.