

## Appendix A: Supporting the “Website”

The **ZA, ZB and ZAH, ZBH series clocks** equipped with the network communication module (Ethernet module) allow intuitive configuration through the built-in “Website”.

To configure the network connection, follow the document **Network Card Configuration Manual**, to be downloaded from the following website:

<http://rgbtechnology.pl/soft/>

### 1. Connection with the device

The connection with the device is made through the Ethernet interface, while supporting the integrated „Website” is done via the Internet browser (recommended browser: Mozilla Firefox, version 16.0.2 or later).

To connect with the device, enter the IP address assigned to the device into the browser (default: **192.168.0.11**).

Then, the device will ask you to enter: username and password (default User: **admin**, Password: **dbps**).

**Note!** If you include a few clocks to the same network, the devices must be connected in succession and given a unique IP address, which will avoid an address conflict (initially all of them have the same default IP address).

### 2. Supporting the “Website”

The integrated “Website” consists of five webpages which allows you to configure various functions of the device.

**NOTE!** Always confirm the changes of the settings of the device parameters with the "Save" button.

#### 2.1. Time tab

This tab allows you to configure the parameters connected with time.

- **Local date & time** – manual setting of the local time and date.
- **Remote time synchronization** – configuration of the remote synchronization of time, of the time zone, of allowing for daylight saving time, and of the IP addresses of NTP time servers.
- **Local Time synchronization** – configuring time synchronization (the time source, the time zone, the daylight saving time, the IP addresses of time servers, the Master Mode).

**Note!** To make the time synchronization using the NTP servers work, you need the proper (taking into account local network addresses) configuration of the following parameters: "IP Address", " Subnet mask", " Gateway" in the **Advanced** tab and the connection of the device to the Internet.

#### 2.2. Display tab

This tab allows you to configure the parameters connected with the device display.

- **Format** – configuring the displayed functions and their duration (the clock, the date, and the thermometer) and the date format.
- **Brightness** – configuring the display brightness and activating the automatic brightness control.
- **Eco** – setting the energy saving mode (the time of activating the device, the time of deactivating the device).

- **Fonts** – selecting the display font.
- **Temperature offset** – configuration of the environment temperature offset .
- **Display synchronization** – configuration of the display (content) synchronization, of selecting the operation modes, and of the field of the master clock IP address (required for the Slave operation modes).




### 2.3. Alarms tab

This tab allows you to configure the parameters connected with the alarms.

- **Set alarm** – configuring a single alarm (activating, the operating time, the duration, the mode, the days of the week).
- **Alarms** – status of all available alarms.

The meanings of the alarm status symbols are described in **Tab. 3**.

**Tab. 3.** Alarm status symbols

Symbol	Colour	Meaning
	red	not set, inactive
	yellow	set, inactive
	green	set, active

### 2.4. Advanced tab

This tab allows you to configure the advanced parameters of the device.

**Clock name** – an individual clock name.

**Network** – network settings (the IP address, the subnet mask, the default gateway).

**Password** – setting the user password.

**Default settings** – restores the factory settings.

**NOTE!** The "**Default settings**" function fully restores the factory settings, including resetting the alarm and making the default network configuration.

### 2.5. Status tab

This tab allows you to read the device status.

**Date & time** – reading the time and the date.

**Sensors** – reading the sensors: the temperatures and the environment brightness.

**GPS status** – reading information about the signal strength or disconnection of the GPS module.

**Network** – reading the network interface configuration.

**Device** – reading the software version, hardware version, an individual clock name and product name.

### 3. Default network settings

**Tab. 4** shows the network settings of the Prestige Line clock. Restoring the factory settings is possible using the respective function in the user menu or in the “Website”.

**Table 4. Default network settings**

Parameter	Default value
User	admin
Password	dbps
IP address	192.168.0.11
Subnet mask	255. 255. 255.0
Default gateway	192.168.0.1

### 4. Master Mode configuration

The ZA, ZB and ZAH, ZBH series clocks allow local synchronization of the **slave clocks with the master clock**. **Tab. 5** shows a sample configuration of clocks. **NOTE!** Time server IP addresses can be entered by the user only via the "Website".

**Tab. 5.** Master Mode configuration

	Master clock (Master)	Slave clock (Slave)
<b>Master Mode</b>	active	inactive
<b>Synchronization source</b>	GPS or Ethernet	Ethernet
<b>Comments</b>	When you choose the Ethernet as the synchronization source, the Time server boxes from 1 to 5 should include sever addresses compatible with NTP.	In the Time server box 1, you should enter the master clock (Master) IP address. The Time server IP boxes from 2 to 5 should be filled in with the addresses 0.0.0.0

### 5. Changing the language of web page

To change the language, click at the bottom right corner on a flag symbolising the language. Available languages are Polish and English (default). After clicking on the desired flag, next to it should be displayed an information “Ustawiono język polski” or “Set english language”, which means the correct language setting in the memory clock (feedback from the device).