Bodet Button Box Trigger Massages Instruction Manual

**Button Box Trigger Massages
Instruction Manual**

Installation and operating instructions

afaq ISO 9001 Qualité — AFNOR CERTIFICATION / afaq ISO 14001 Environnement — AFNOR CERTIFICATION / Trémentines plant	**Bodet** www.bodet-time.com	BODET Time & Sport 1 rue du Général de Gaulle 49340 CLEMENTINES Tel. support France: 02 41 7... Tel. support export : +33 241...

When receiving goods please check nothing is broken otherwise make a claim near the shipping company.

Contents

Initial verification

Thank you for choosing a BODET button box. This product has been carefully designed for your satisfaction based on ISO9001 quality requirements.
We recommend that you read this manual thoroughly before attempting to manipulate the product.
Keep this booklet for all the life of your product, so that you can refer to it each time it is necessary.
Bodet cannot be held responsible for damages caused to the product due to use that does not conform to the instructions described in this manual. Any unauthorized modification of the product will invalidate the warranty.
1.1 Unpacking the button box
Unpack with caution and check the contents of the packaging.
907760 (button box) must contain

- Button box,
- label sheet with a name
- sheet of blank label
- This booklet,

907761 (Button box extension) must contain

- Button box extension
- label sheet with name
- sheet of blank label
- This booklet,

1.2 Cleaning

Use an antistatic product. Never use alcohol, acetone or other solvents which may damage the product casing.

1.3 Pre-requisite

For the commissioning of the Harmonys button box, you must install the SIGMA software (supplied on a USB key with your master clock) on your PC. To download the latest version of the software, contact our export department who will send you the download links by email.

Contact Export department: 02.41.71.72.33 / **export@bodet-timesport.com**

Important: to check the compatibility of your equipment and the software version, please have the version of your master clock.

Note: the Ethernet network connection to which the Bodet button box is connected must be PoE, the power being supplied by a PoE switch or a PoE injector. Make sure that the power capacity of your switch or injector is sufficient to power your product.

Bodet recommends the following brands:

- PoE injectors: Zyxel, Tp-link, D-Link, HP, Cisco, Axis, ITE Power Supply, PhiHong, Abus, and Globe.
- PoE switches D-Link, HP, Planet, Zyxel, Cisco, NetGear, PhiHong.

Installation of products

Select the location where the button box will be installed by making sure of the presence of the network cable PoE (Plan the routing of the cable in the back or by the bottom of the product).

Warning: when feeding the cables through the bottom, we recommend the use of a wire molding (25x30mm min.) to cover the hole at the bottom of the casing.

2.1 Button box

1. Drill 4 holes for wall mounting according to the following pattern.

   (The drilling dimensions are printed on the back of the housing).
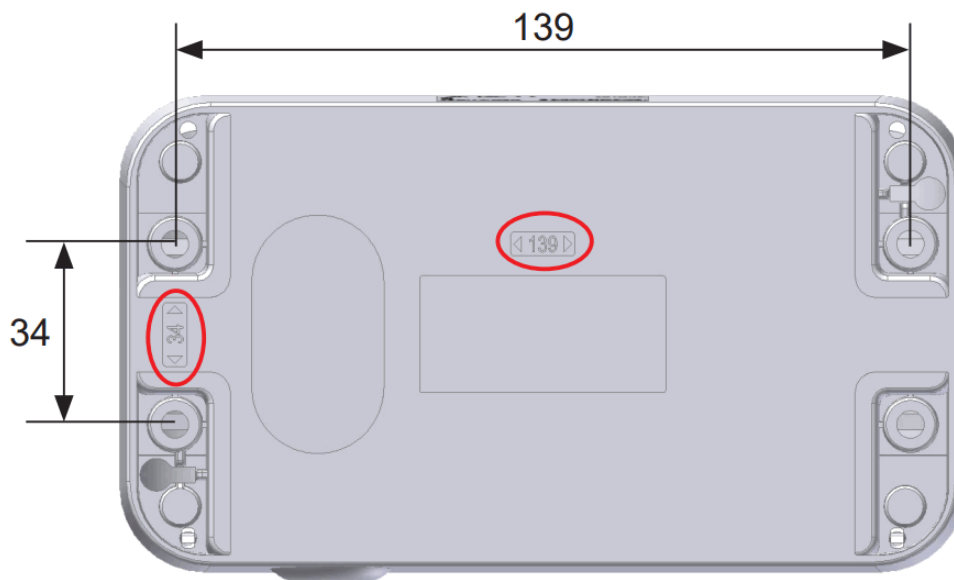
Button box or button box extension - back view

2. Open the flaps at each end of the product.

3. Mount the box to the wall (B), taking care to get the Ethernet cable into the housing (cable from the back or bottom of the housing button box).

4. Open the casing by removing the 4 screws (A). The front cover is held by straps allowing it to hang down when opened. (A) Screws to open the case (x4)

(A) Screws to open the case (x4)

(B) Wall mounting screws (x4)

Button box - front view
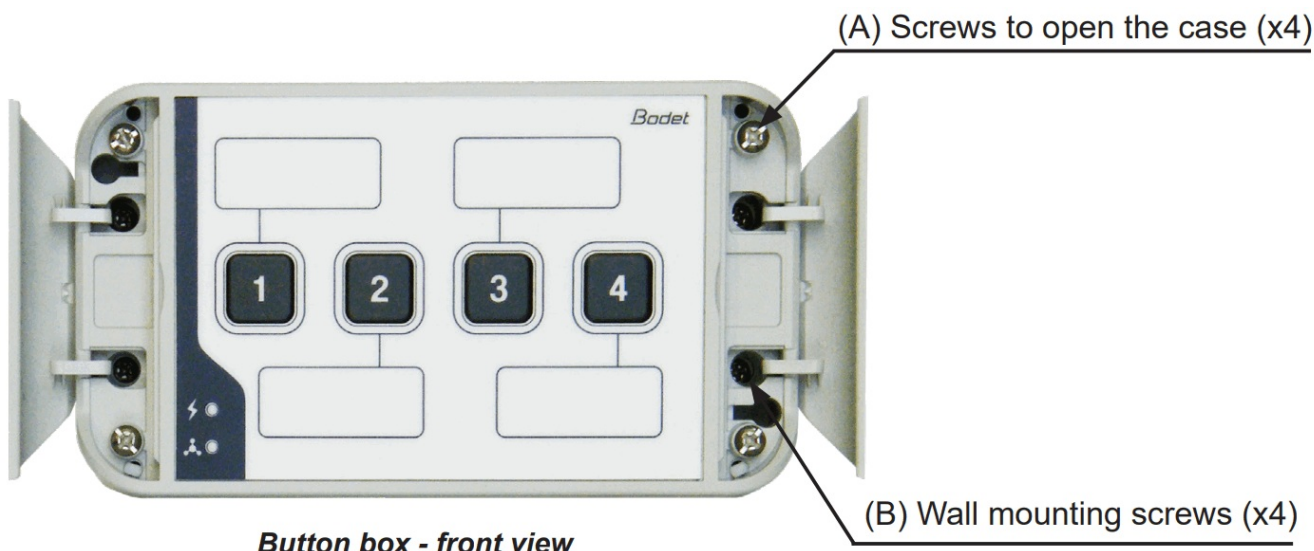
5. Connect the Ethernet network cable to the RJ45 connector. Ethernet cable category: 5 or 6. The broadcast mode will have to be selected in the Network configuration page of the embedded web server (see page 22), in Multicast mode the address of the product must be the same than that of the server (by default 239.192.55.1). Record the MAC address (identification label on the back of the product) of the product, it will be useful during its detection by the Sigma software in order to rename it.

6. Close the housing by tightening the 4 screws (A).

2.2 Button box extension

The button box extension is mechanically identical to the button box so is its installation (refer to page 17).
Note: anticipate the routing of the cable linking both boxes through the top or rear when mounting the box to the wall.
Warning: the button box extension should be installed within 10 cm of the button box. We recommend installing the boxes very close to each other (a distance of less than 1 cm).

1. Open button box extension.

2. Connect the linking flat cable to the connector on the card button box (see illustration below).
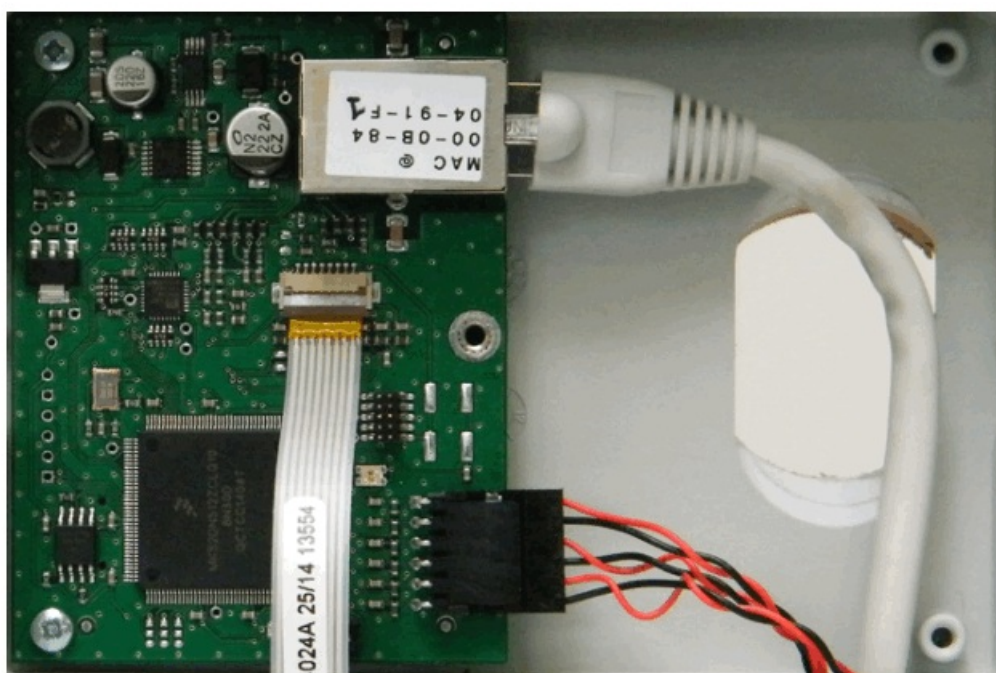
Connection on the circuit board of button box

Example :

Wire molding

Operating mode

The setting of the SIGMA and AUTONOMOUS modes is accomplished by means of the button box embedded web server (Cf. page 22).
Note: refer to manual 607726 for further explanation of the different modes.
3.1 SIGMA mode (presence of master clock Sigma)
Button box in SIGMA mode allows :
– manually Start/Stop melodies.
– Enable/disable relays.
– Enable/disable programming.
All actions are taken from the button box transit via the master clock Sigma. The control commands are stored in the master clock, there is no disruption in the event of power failure.
3.2 Autonomous mode (no master clock Sigma)
Button box in AUTONOMOUS mode allows:
– Manually Start/Stop melodies. If no master clock Sigma, the button box sends a command directly to the Harmony.
3.3 Button box extension
To increase the number of manual controls, it is possible to add a button box extension.
3.4 Factory settings
To configure the product to its factory settings, press buttons 1 and 2 on the power box buttons (up to 5 minutes after power-up). To check the product returned to the factory configuration, the two LEDs are illuminated briefly.
The default configuration is as follows :
– Name: BODET-MAC address.
– IP configuration by DHCP.
– Multicast synchronization.
– Sending address: 239.192.54.11
– Mode: independent.

Use of web server

There are two ways to access the web interface:

1. Open your web browser and enter the IP address of the product in the address bar.

2. Using the Sigma software in the Configuration > IP devices > IP buttons tab click the Web Browser button to open the web server (refer to the software manual, 607726).

The SIGMA software lets you:
– detect all the products present on the network,
– individually set the parameter of each product or copy the parameter of one product toward a group of products,
– update the product software,

4.1 Home page
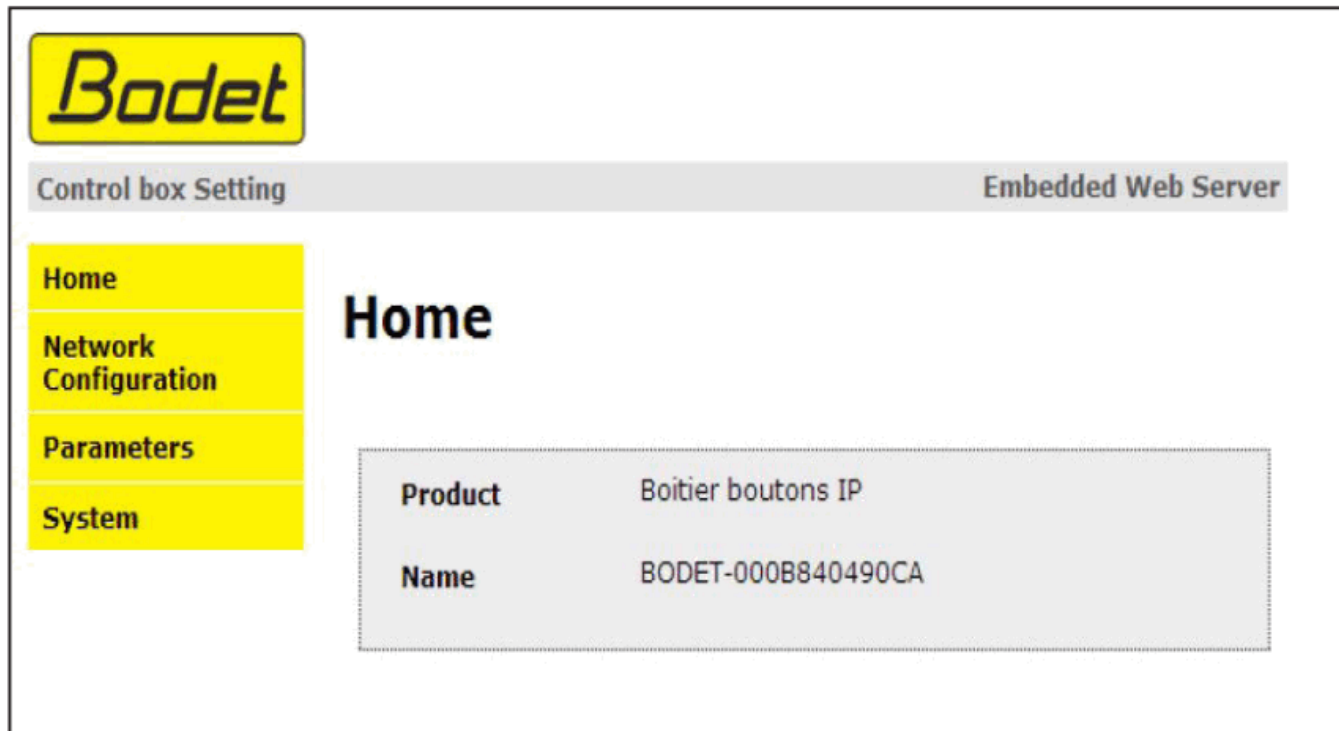
The home page presented by the button box embedded web server provides general information on the product. The information is displayed as follows:
– Product: product type.
– Name: user-defined product name + MAC address (corresponding to the MAC address noted on the tag of the product identification during installation). By default: «Bodet-MAC address» (alterable in the menu Network Configuration). The default value allows finding the product on the network in the putting into service.

4.2 Network configuration page

This page is for setting the product's network configuration. The warning reminds you that the product could lose its connection to the network if incorrect parameters are set. If incorrect settings, make a return to factory settings (see **3.4 Factory settings, page 19**).

The information displayed is described below:

– MAC Address: This is the button box's MAC address. This address is unique to each device.

This number is given on a label on the back of Bodet equipment.

– Name: user-defined product name + MAC address (by default). The field that lets you easily identify the button box on the network. We recommend adding the installation location of the button box in the product name (eg: Home_IP-Buttons). This allows identifying the location where the alert was triggered using an SNMP manager (third party solution).

– Enable DHCP checkbox: if checked, the device's network IP settings will be configured automatically (in the case where a DHCP server is present on the network). If this box is unchecked, the following settings are available:

– IP Address: manually sets the device's IP address. (required if not DHCP server).

– Subnet Mask: the subnet mask associates a button box with the local network.

– Gateway: the gateway can be used to connect the button box to two data networks.

– DNS Address: this can be used to associate a name with an IP address. This avoids having to enter an IP address in the browser: a user-defined name can be used instead.

Example: www.bodet.com is simpler to remember than 172.17.10.88. The Save and Reboot button saves your configuration and reboots the button box.

4.3 Parameters page

This page allows configuring the functional features of the button box. The information displayed is described below: – Mode: SIGMA or Independent (see page 19). – Sending address: address on which Harmony's sounders listen if there is no Sigma master clock (by default: 239.192.55.1). In the case of a clock presence master clock Sigma, the latter will listen, at this address, the messages sent by the housing buttons. The Save and Reboot button saves your configuration and reboots the button box.

4.4 Alarm configuration

This page is used to enable device supervision, to define the information to be transmitted and the destination server. One or more settings can be defined and configured as alarms. The following information is displayed:

– Tick the SNMP box: and activate the SNMP network service for device supervision from a control PC.

– Version: choice of SNMP protocol version

– Community: fleet or area of Harmonys Flash units defined by the user. It is crucial to give all Harmonys Flash units on the network the name `Community'.

– Tick SNMP Trap box: activates (or not) the automatic sending of error messages to SNMP managers.

– SNMP Manager 1/2/3: IP addresses of servers receiving alerts from the clocks. SNMP Manager redundancy increases the reliability of alerts.

– Reboot: This setting is used to detect a clock reboot.

– Press button: device sends back information when the button is pressed.

– Web access: This setting is used to trigger an alert if a user connects to the web server of the clock.

– Authentication failure: This setting is used to trigger an alert if a user sends an incorrect ID to the web server of the clock.

– Periodic Status: This setting is used to verify that the device is still working correctly. This verification is carried out at a set frequency.

4.5 System page

1st part: information panel displaying the software version and the elapsed time since the button box was powered on.

2nd part: a warning message reminds you that once a password is set, a connection can only be established with the product's web interface by entering the correct password (max 16 characters). Enter a username and a password in the appropriate fields. To save the new username and password, click on Save.

3rd part: a warning message reminds you that rebooting the button box will cause the network connection to be lost until the product has fully rebooted. The Reboot button reboots the product.

4th part: a warning message reminds you that rebooting the product with the factory configuration will erase any settings you have made and may cause the equipment to lose its connection to the network if there is no DHCP server. The Factory config.+Reboot button reboots the product with the factory configuration.

What to do if…? … Check.

What to do if… ?	… Check that
No broadcasting since the button box on the sounders.	1) The multicast address is identical between the master clock and button box. 2) Network parameters are supported: button box must be on the same Ethernet network as the computer with the Sigma software.
No DHCP server on the network	1) By default the button box takes on the following IP setting (after 3min): – IP: 192.192.223. 100 (1st button box), 192.192.222.101 (2nd button box), etc. – MASK: 255.255.0.0 – Gatew ay: 0.0.0.0 – DNS: 0.0.0.0 (After 15 minutes, the button box asks an address DHCP server). 2) Using the Sigma software (Configuration> IP devices> Network button) to set the network settings button box (product identification with the MAC address on the tag on the back of th e product).
No LEDs lit on th e button box	1) the maximal power of the switch PoE is sufficient to feed all the products connected to th e switch. 2) the length of the cable is lower than 100 meters (refer to the standards of network cabling). 3) The power output of the switch is sufficient (IEEE 802.3af) to power the product. 4) Button box is the broadcast area of the master clock Sigma. 5) The external input is activated from the Sigma software.
Nothing is releas ed when pressin g	1) The multicast address is identical between the master clock and button box. 2) The allocation of buttons is correctly associated with a zone or group. 3) The method of housing button box (SIGMA or Independent)

Technical features button box

The button box complies with the electromagnetic compatibility directive 2004/108/CE & DBT 2006/95/CE. This is a Class A product. In a domestic environment, this product may cause radio frequency interference, in which case the user may be required to take adequate measures. It is intended for a residential or commercial environment. It complies with the European standards in force.
Synchronization: Multicast address.
Network connection: RJ45 Ethernet, 10 base-T.
Power supply indicator:

– Led ON (green) = device powered on.
– Led OFF = no power.

Network indicator:

– Led flashing green slowly = connection to the network in progress.
– Led ON green = device connected to the network.
– Led flashing red slowly = loss of network connection or failure to connect to the network.
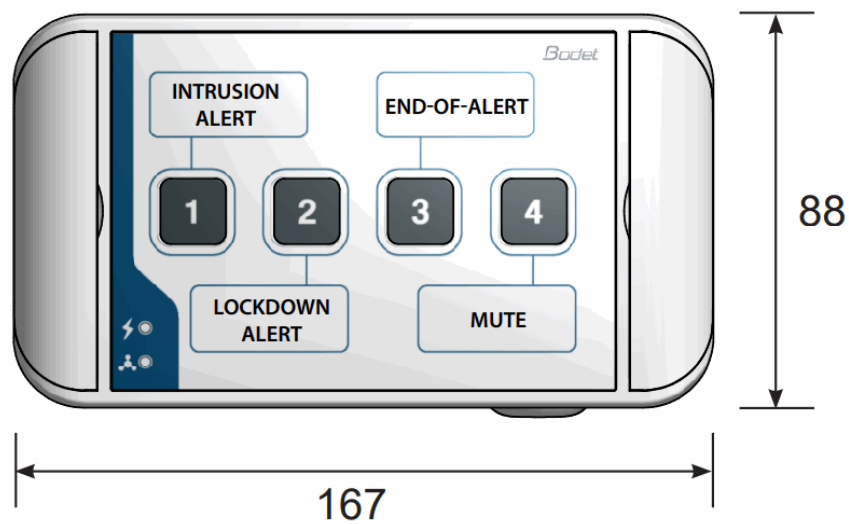
Power supply: PoE (power over Ethernet).
Consumption: 2W.
Operating temperatures: from 0 °C to +50 °C.
Humidity: 80 % at 40 °C.
Protection Index: IP 31.
Weight: 400 grs.
Dimensions:

The document concerns the following products :
Button box – 4 buttons
Button box extension – 4 buttons

CE

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Documents / Resources

	Bodet Button Box Trigger Massages [pdf] Instruction Manual Button Box Trigger Massages, Trigger Massages, Button Box, Box

References

- ![S] **Clipless Pedals | TIME Sport**
- ![B] **European leader in time measurement and management**
- ![B] **BODET Group: leader in time measurement and time management**

Manuals+,