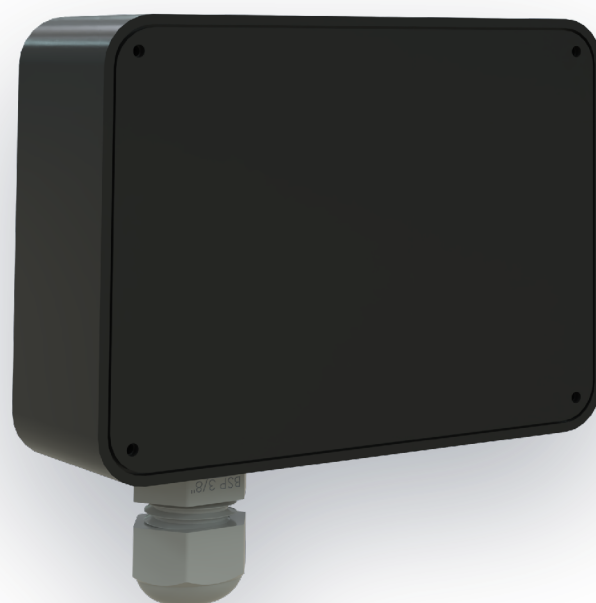


stgDRV

**Fan drive
module.**



V1.0 · SEPTEMBER 2026

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Overview

DRIVE MODULE

The **stgDRV** is a fan drive module. Installed next to the fan or the ventilation unit, it receives the command of an STG controller through **STG wireless communication** and applies it to the fan. No control cable is needed between the controller and the fan.

The stgDRV drives the fan in three ways:

- **0–10 Vdc output:** controls the speed of an EC fan or a variable frequency drive, in proportion to the demand received from the controller.
- **AC motor:** terminals to connect a single-phase permanent split capacitor (PSC) motor of up to 7 A directly; the stgDRV relay switches it on and off.
- **Relay dry contact (NA / COM / NF):** isolated contact, switched together with the AC motor, to control other equipment, such as a contactor or the run/stop input of a drive.

This manual covers the stgDRV powered by 100–240 Vac, with one 0–10 Vdc analog output, one relay with an NA / COM / NF dry contact and terminals for a single-phase PSC motor.

HOW IT WORKS

1. The controller calculates the ventilation demand and sends it to the stgDRV through STG wireless communication, together with the command to switch the relay on or off.
2. The demand goes through the **analog output mode** and the **working range** (minimum and maximum) and is applied to the 0–10 Vdc output. The relay command goes through the **relay mode** and switches the relay, which drives the AC motor and the NA / COM / NF contact.
3. The stgDRV reports back to the controller the applied output, the relay state and whether the command is valid. It sends this information whenever something changes and at least every 10 s.
4. If the command stops arriving for 15 s, the stgDRV considers it **expired** and takes the outputs to a safe state. With the factory settings, the 0–10 Vdc output goes to the working range minimum (0 V from factory) and the relay turns off, switching off the AC motor. When communication returns, the stgDRV resumes the command on its own.

Each stgDRV receives the command and can pass it on to up to 5 other stgDRV units. An stgDRV out of range of the controller thus receives the command through another stgDRV, which extends the reach of the wireless network. The range of each link depends on the site; during installation, check on the web interface of each stgDRV that the remote command status is **Valid**.

APPLICATIONS

- **Emergency stairwell pressurization:** the stgCPD controls the stairwell pressure and drives the pressurization fan wirelessly through the stgDRV.
- **Air quality and fresh air ventilation:** the stgQAI measures the room air and drives the stgDRV installed on the AC or EC fan.

- **Car parks:** one stgDRV on each *jet fan* or exhaust fan, driven by the stgQAI with CO, temperature and humidity measurement.
- **Retrofit:** existing installations, with no control cable between the controller and the fan.

The stgDRV serves single-phase **EC** fans, with variable speed through the 0–10 Vdc output, and single-phase **AC** PSC fans, which it only switches on and off. For three-phase motors, use a variable frequency drive controlled by the 0–10 Vdc output.

Main features

- **Proportional 0–10 Vdc output:** 10 % of demand equals 1 V (0–100 % = 0–10 Vdc).
- **Relay:** drives the AC motor (up to 7 A) and the isolated NA / COM / NF dry contact (10 A at 250 Vac).
- **Working range:** minimum (minimum fan speed) and maximum (ceiling) of the output.
- **Operating modes:** the output and the relay can follow the controller, run on a local value or stay off, even without the controller.
- **Safe state:** if the controller command stops arriving, the outputs go to a known state and return to normal on their own when communication is restored.
- **Feedback to the controller:** applied output, relay state and command validity.
- **Test Mode:** automatic 41 s sequence to check the relay and the output on site.
- **Built-in web interface:** accessible from a phone or a computer, without installing any app, in Portuguese and English.

What the stgDRV does not do

- **It does not measure anything:** it has no sensor, analog input or digital input, and no *setpoint* or PID control. The controller decides the ventilation.
- **It has no display (HMI) and no operating buttons:** monitoring and settings are done through the web interface or the controller.
- **It has no Modbus.**
- **It does not vary the AC motor speed:** the AC motor is only switched on and off. For variable speed, use an EC fan or a variable frequency drive on the 0–10 Vdc output.
- **It has no schedule and no data logging.**

COMPATIBLE CONTROLLERS

The stgDRV can be driven by any Storge controller with STG wireless communication, such as:

- **stgQAI**, configured as the **master** of the wireless network. The master configuration is done by Storge at the factory.
- **stgCPD**, with communication with the stgDRV enabled by Storge or by technical support.

Each stgDRV obeys a single controller. A controller drives up to 5 stgDRV units, regardless of how many slaves it has, and each stgDRV can pass the command on to up to 5 other stgDRV units.

Technical Specifications

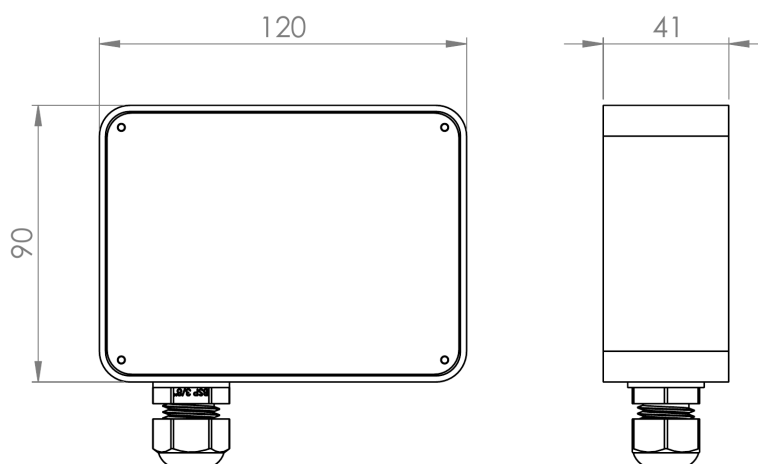
CHARACTERISTICS

CHARACTERISTIC	VALUE
Function	Fan drive, controlled wirelessly by an STG controller
Supply voltage	100–240 Vac, 50/60 Hz (power supply terminals F and N, first block)
Analog output	1 × 0–10 Vdc (A0 and GND), for an EC fan or a variable frequency drive
Relay	1 isolated NA / COM / NF dry contact, 10 A at 250 Vac
AC motor	Single-phase permanent split capacitor (PSC), up to 7 A, switched on and off by the relay (no speed control)
STG wireless communication	2.4 GHz, with any Storge controller; passes the command on to up to 5 other stgDRV units
Web interface	Yes, through a 2.4 GHz Wi-Fi access point (up to 4 connected devices)
Interface languages	Portuguese and English
Inputs	None (no sensor and no digital input)
HMI	No
Modbus	No
Connections	Screw terminals, 12 positions
Enclosure	120 × 90 × 41 mm, front cover with 4 screws, 1 BSP 3/8" cable gland on the bottom face

The fan speed can only be varied through the 0–10 Vdc output (EC fan or variable frequency drive). The AC motor connected to terminals F N C is only switched on and off by the relay.

DIMENSIONS

Dimensions in millimeters. The dimensions do not include the cable gland, which is on the bottom face of the enclosure.



ENCLOSURE

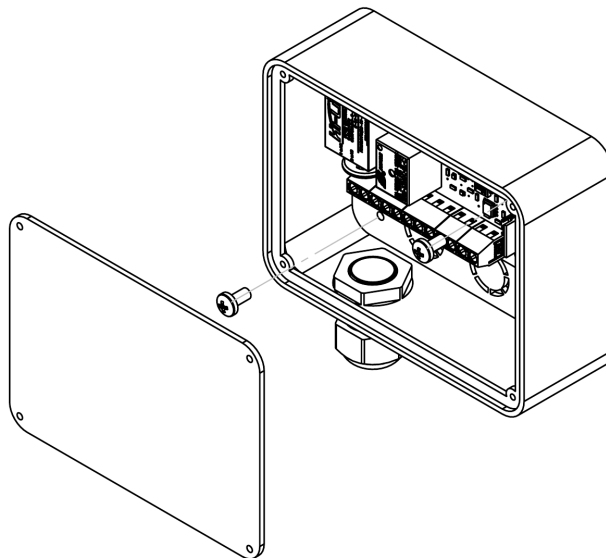
The enclosure is a box with a plain front cover, fastened by four screws at the corners. The board is fixed to the bottom of the box, with the terminal strip at its lower edge, facing the cable gland. All cables (power supply, AC motor, relay and 0–10 Vdc signal) enter through the single cable gland, with a BSP 3/8" thread, on the bottom face.

Installation and Connections

INSTALLATION

Install the stgDRV next to the fan or the ventilation unit, within the wireless range of the controller or of another stgDRV that passes the command on.

1. **Open the cover:** loosen the four corner screws and remove the front cover.
2. **Fix the enclosure:** with the cover open, fasten the box through its bottom with screws, to the wall or the structure, with the cable gland facing down. In this position, condensation water does not run into the unit.
3. **Pass the cables** through the cable gland and make the connections (see *Electrical Connections*).
4. **Close the enclosure:** refit the cover with the four screws and tighten the cable gland nut.



ELECTRICAL CONNECTIONS

Important: the power supply and AC motor terminals carry mains voltage, and the relay terminals may receive mains voltage from the external circuit connected to them. Make all connections with the unit de-energized (circuit switched off at the breaker) and always check the silkscreen on the board itself before connecting any wire.

The terminal strip is on the lower edge of the board, facing the cable gland. From left to right:



Power supply
100–240 Vac



Relay



AC motor



Capacitor



0–10 Vdc output

TERMINAL	FUNCTION
F	Power supply: phase (100–240 Vac)
N	Power supply: neutral
NA	Relay: normally open contact (closes to COM when the relay is on)
COM	Relay: common contact
NF	Relay: normally closed contact (closed to COM while the relay is off)
F	AC motor: motor phase
N	AC motor: motor neutral
C	AC motor: motor capacitor wire (auxiliary winding)
CAP	Motor permanent capacitor
CAP	Motor permanent capacitor
GND	0–10 Vdc output: reference (0 V)
A0	0–10 Vdc output: speed command for the EC fan or the drive

Notes:

- **Power supply:** connect the 100–240 Vac, 50/60 Hz mains to terminals **F** (phase) and **N** (neutral) of the first block.
- **AC motor:** connect the motor phase to **F**, the neutral to **N** and, to **C**, the motor wire intended for the capacitor (auxiliary winding). The motor's own permanent capacitor goes on the two **CAP** terminals. The motor can draw up to **7 A** and is only switched on and off by the relay: the stgDRV does not vary the speed of an AC motor.
- **Relay (NA / COM / NF):** isolated dry contact, with no voltage of its own, rated **10 A at 250 Vac**. It remains isolated even with the motor connected to terminals **F N C**. When the relay turns on, **NA** (normally open) closes to **COM** and **NF** (normally closed) opens; with the relay off, **NF** is closed to **COM**. The relay switches immediately, with no delay, and the AC motor always follows the relay.
- **0–10 Vdc output (A0 and GND):** connect to the 0–10 V control input of the EC fan or the variable frequency drive: **A0** to the signal and **GND** to the reference (0 V) of that input. The GND connection is always required: without it, the signal fluctuates and the speed becomes unstable.
- **Signal and mains cables:** all cables enter through the same cable gland. Inside the box, keep the 0–10 Vdc signal cable away from the power supply and motor cables.
- The stgDRV has no sensor or digital input terminals.

Operation

BONDING WITH THE CONTROLLER

The stgDRV only obeys the controller it is **bonded** to. Bonding is done **from the controller**; the stgDRV web interface only shows which controller it is bonded to. On the stgDRV interface, the controller is shown as **HOST**.

Before bonding:

- Power up the stgDRV. While it is not bonded, it announces itself every 10 s; it may take about 10 s to appear in the controller list.
- The controller and the stgDRV must use the same radio channel. Both leave the factory on the same channel, and only technical support changes it.
- With several stgDRV units on the same site, power up and bond one at a time: the controller list identifies each unit by its radio address (MAC), which is not on the label.
- An unbonded stgDRV accepts the first controller that requests bonding. Bond it right after installation.

On the stgQAI

The stgQAI must be the **master** of the wireless network (configuration done by Storge at the factory).

1. Access the stgQAI web interface and log in as administrator.
2. Open the **Communication** card window (chart icon) and, in the **stgDRV** item, click **Manage**.
3. In the bonding window, under **Available devices**, select the stgDRV, enter in the **S/N** field the serial number from the stgDRV label and click **Bind selected**.
4. Confirm. The stgDRV stores the bond and restarts; during the restart and until the controller sends the next command, the outputs stay in their initial state for a few seconds (0–10 Vdc output at 0 V, relay and AC motor off). From then on, the stgDRV Wi-Fi network name uses the serial number entered, without leading zeros (for example, number 0457 gives the network stgDRV-457).
5. Under **Bonded stgDRV**, the stgDRV shows as **binding...** for up to 30 s and then as **ON**, with the applied demand, the relay state and the **Command expired** warning, when applicable.

On the stgQAI, the stgDRV shows as **OFF** when the controller receives no feedback from it for 15 s (switched off, out of range or unbonded).

On the stgCPD and other Storge controllers

On the stgCPD and on other Storge controllers, communication with the stgDRV and bonding are configured by Storge (state in the order which controller will drive the stgDRV) or by technical support.

Checking the bond on the stgDRV

- On the **Remote Command** card of the web interface, the **Remote command status** must be **Valid**.
- With the administrator login, under **Connectivity & Bonding**, the **View bond** button shows **Bonded HOST**: followed by the controller address (MAC).

Changing controller

A bonded stgDRV rejects bonding from another controller. To change controllers, first unbond it on the old controller (on the stgQAI, **Unbind** button, under **Bonded stgDRV**), with the stgDRV powered and within range. If the old controller no longer exists, contact technical support.

WEB INTERFACE

The stgDRV creates its own 2.4 GHz Wi-Fi network and can be accessed from any modern browser, such as Chrome, Firefox or Safari, on a phone or a computer. No Wi-Fi is needed on site and no app needs to be installed.

Accessing the web interface

1. **Find the Wi-Fi network:** about 10 seconds after power-up, the stgDRV creates the network **stgDRV-
<serial number>**, where the serial number is the one on the unit label (if the number starts with zeros, the network may appear without them). Make sure your device is within range of the stgDRV.
2. **Connect to the network:** select the stgDRV network and enter the password "**123456789**".
3. **Open the web interface:** in the browser, type the address **192.168.4.1** in the address bar.



NOTE: if the page does not load, check that your device is still connected to the stgDRV network. If it is connected and the page still does not load, turn off mobile data and try again. On Android phones, mobile data may take over when the Wi-Fi network has no internet access. Up to 4 devices can be connected to the stgDRV network at the same time.

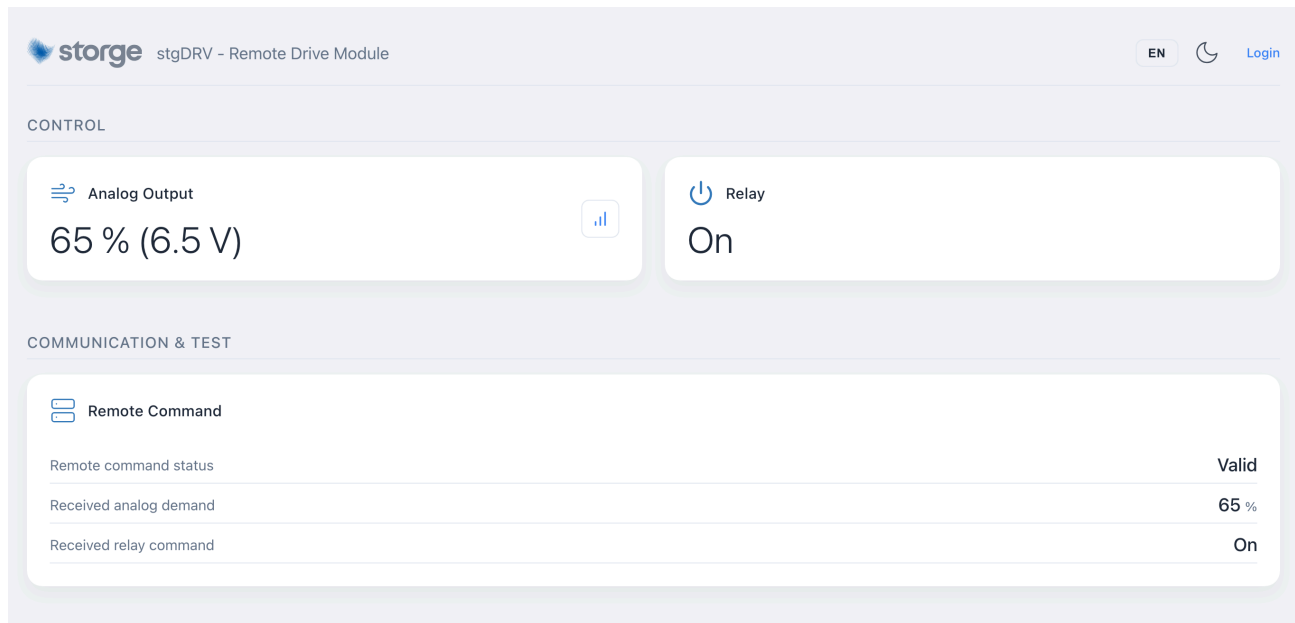
Access levels

- **Viewer (default):** open view, no login. Shows the analog output, the relay and the remote command, and opens the output chart. Nothing can be changed except the interface language, with the PT / EN button in the header.
- **Administrator:** requires login. Unlocks the analog output and relay settings, the **Test Mode** and the **System** section.

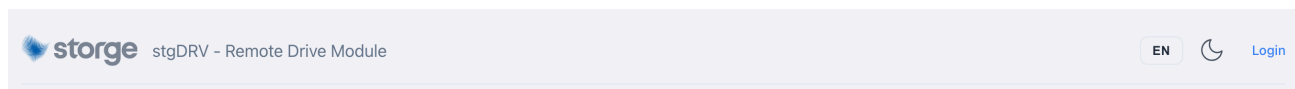
Some fields appear greyed out even with the administrator login: they are reserved for Storge technical support.

Main dashboard

This is the screen shown when the interface opens, at Viewer level:



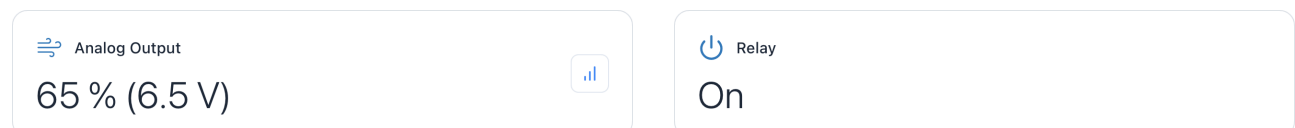
Header



- **Logo and title:** identify the unit as "stgDRV - Remote Drive Module".
- **Language (PT / EN):** shows the current language and switches between Portuguese and English. The chosen language is stored in the unit and applies to all devices.
- **Moon icon:** switches between light and dark themes. The theme is stored only in the browser.
- **Login:** access to the Administrator level.

Control

- **Analog Output:** value applied to the 0–10 Vdc output, in % and in volts (10 % = 1 V). The chart icon opens the history.
- **Relay:** relay state set by the stgDRV, **On** or **Off**. The AC motor follows this state.



Communication & Test

The **Remote Command** card shows what arrives from the controller:

- **Remote command status:** **Valid** while the controller commands are arriving; **Expired** when they have stopped arriving for more than 15 s, and also right after power-up, until the first command arrives. This item shows whether the stgDRV is receiving the controller.
- **Received analog demand:** last demand value (%) received from the controller.

- **Received relay command:** last relay command received (On or Off).

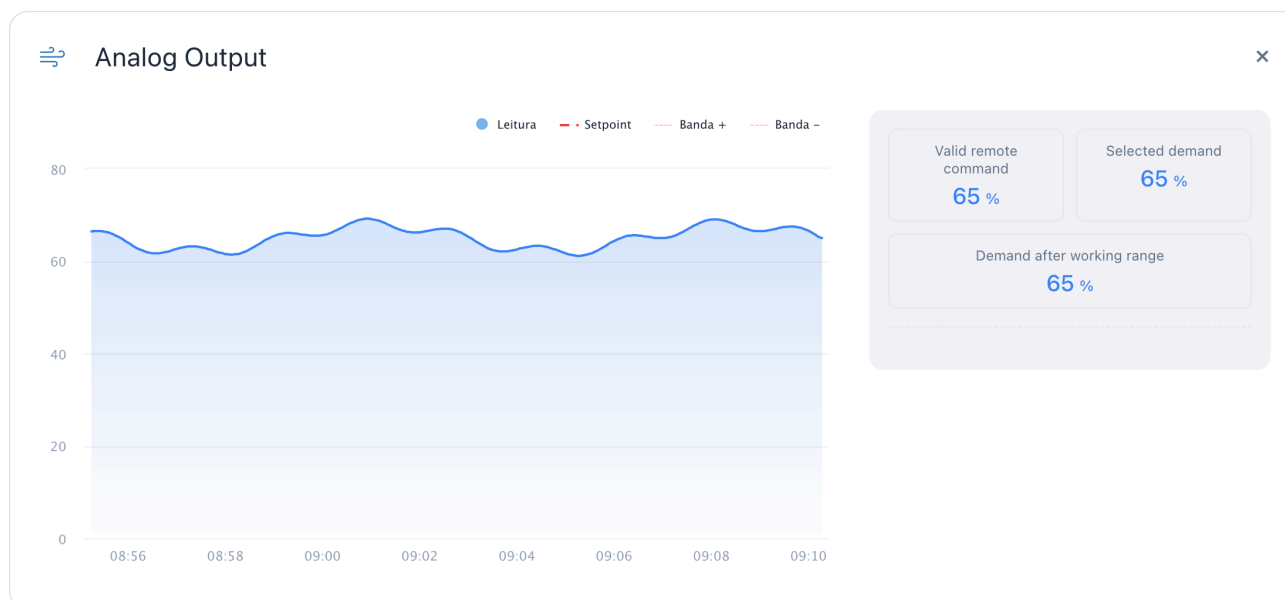
Remote Command	
Remote command status	Valid
Received analog demand	65 %
Received relay command	On

Remote Command	
Remote command status	Expired
Received analog demand	65 %
Received relay command	On

With the **Expired** status (right), the last two items keep showing the last value received, but it is no longer applied: the outputs follow the safe state (see *Behavior without command*).

Output chart

Click the chart icon on the **Analog Output** card to open the history of the applied output: one point per second, up to 20 minutes, while the page is open. When the page is reloaded, the history starts over.



The chart curve is the applied output (%); on the screen it is labeled **Leitura**. The *Setpoint*, *Banda +* and *Banda -* legend items do not apply to the stgDRV and remain empty. Next to the chart, three indicators show each step of the output calculation:

- **Valid remote command:** demand received from the controller. With the command expired, it takes the Working range: minimum.
- **Selected demand:** result of the analog output mode.
- **Demand after working range:** value after the minimum and the maximum are applied; this is what goes to the output.

Administrator login

1. Click **Login**, in the top right corner.
2. Enter the username "**admin**" and the password "**storge01**" and click **Sign in**.

System Access

After login, the **ADMIN** badge appears in the header and the dashboard also shows the **Test Mode** card and the **System** section, with the **Connectivity & Bonding** card:

stgDRV - Remote Drive Module

EN
🌙
ADMIN
Logout

CONTROL

Analog Output

65 % (6.5 V)

Relay

On

COMMUNICATION & TEST

Remote Command

Remote command status	Valid
Received analog demand	65 %
Received relay command	On

Test Mode

Current phase	Idle
Applied output	65 % (6.5 V)

SYSTEM

Connectivity & Bonding

WiFi network (SSID)	stgDRV-1057
---------------------	-------------

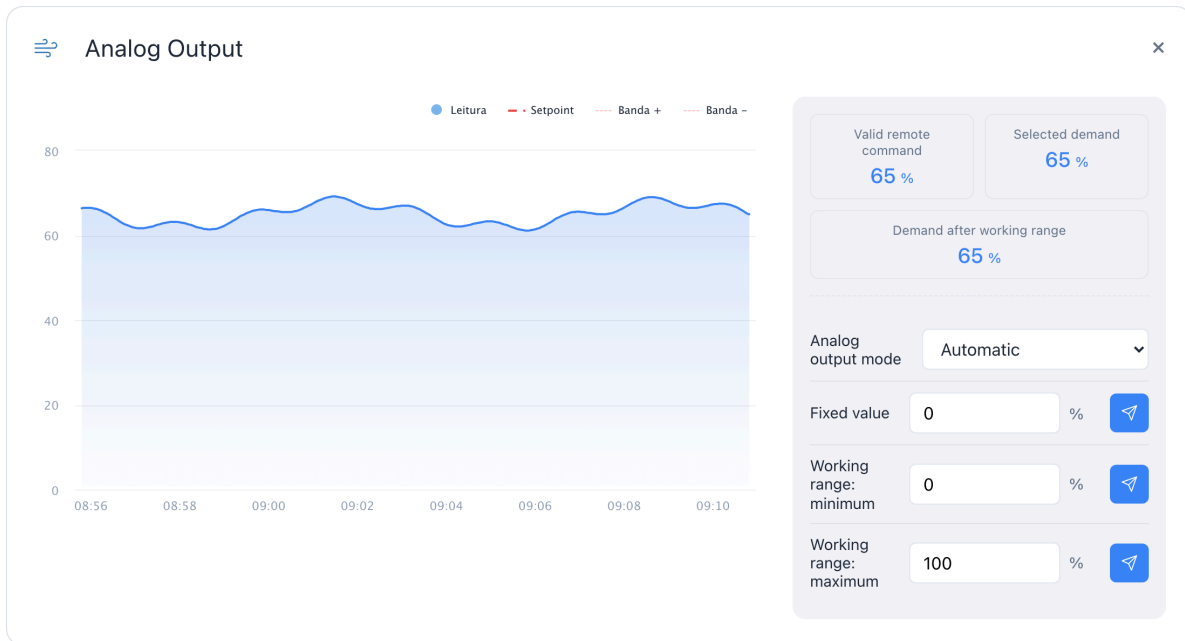
To leave the Administrator level, click **Logout** in the header. The session also ends when the tab is closed or the page is reloaded, and when someone else logs in as administrator on another device.

Changing settings

The settings are in the windows opened by the chart icon of each card.

- **Option lists** (modes and language) are saved as soon as an option is chosen.
- **Numeric fields**: type the value and click the blue button next to it, or press Enter. Both comma and point are accepted as decimal separator.
- The **field border** shows the result: yellow while waiting, green when the value was accepted and red when it was rejected or limited (the field returns to the value in force).

Analog Output



- **Analog output mode:** defines where the demand applied to the output comes from (see *Analog output modes*).
- **Fixed value (%)**: value used in the Fixed and Automatic modes.
- **Working range: minimum (%)**: output floor, the minimum acceptable fan speed. It applies in all modes except Off, including when the controller requests 0 % and when the command has expired.
- **Working range: maximum (%)**: output ceiling. The output saturates at the maximum; the 0 to 100 % range is not rescaled between the minimum and the maximum.

The setting fields are in %; only the applied output is also shown in volts. After a change, the output takes about 2 s to settle.

Analog output modes

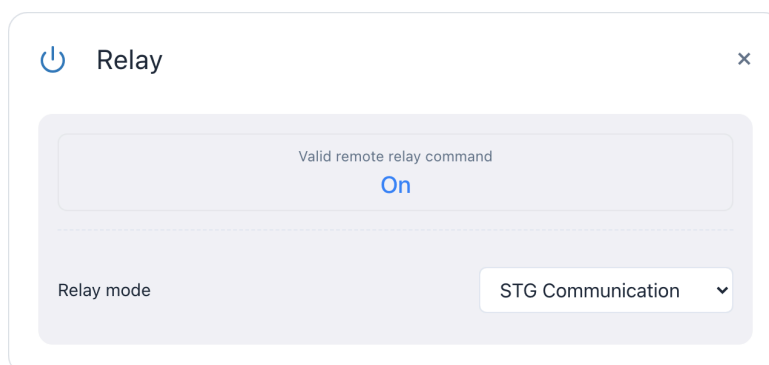
MODE	WHAT THE OUTPUT APPLIES	WHEN TO USE
Automatic (factory)	The higher of the controller command and the Fixed value	Normal operation. With a Fixed value of 0 %, it works like STG Communication; with a Fixed value above 0 %, it ensures a local minimum speed
STG Communication	Only the controller command	When the controller must be in sole command
Fixed	Only the Fixed value, ignoring the controller	Maintenance or temporary operation without the controller
Off	0 V, ignoring even the Working range: minimum	Stopping the fan through the 0–10 Vdc output

After the mode, the stgDRV applies the working range: the output is the mode demand, raised to the minimum if it is below it and limited to the maximum if it is above it. In Off mode, the output is always 0 V.

- The minimum and the maximum also limit the Fixed mode: a Fixed value below the minimum is applied as the minimum.
- With the minimum above 0 %, a 0 % command from the controller does not stop the fan. To stop the fan through the 0–10 Vdc output, use **Off** mode.
- If the minimum is set above the maximum, the maximum applies.

Local operation without the controller: with the administrator login, the fan can be run from the web interface alone: **Fixed** mode, with the desired Fixed value, for the 0–10 Vdc output, and **On** mode for the relay and the AC motor. In these modes the stgDRV ignores the controller. When finished, return to **Automatic** and **STG Communication**.

Relay



- **Valid remote relay command:** controller command in force (On or Off). With the command expired, Off.
- **Relay mode:** defines whether the relay follows the controller (see the table below).

RELAY MODE	RELAY AND AC MOTOR
STG Communication (factory)	Follow the controller: switch on when the controller commands on and the command is valid
On	Always on, ignoring the controller
Off	Always off, ignoring the controller

The relay has no Automatic mode: the equivalent is **STG Communication**. The relay switches immediately, with no start or stop delay, and the AC motor always follows the relay.

Test Mode

Test Mode runs an automatic 41 s sequence to check, on site, the relay, the AC motor and the 0–10 Vdc output.

Warning: the test sequence **switches the relay on**, and therefore starts the **AC motor** and closes the NA / COM contact, and takes the 0–10 Vdc output **up to 10 V**. During the test, the stgDRV ignores the configured modes, the working range (including the maximum) and the controller command. Before starting, make sure that the fan and the equipment connected to the relay can start and reach full speed safely.


Test Mode
×

Start sequence (41 s)

Start

Cancel sequence

Cancel

Click **Start** and confirm. The sequence has no settings:

TIME	PHASE	RELAY AND AC MOTOR	0-10 VDC OUTPUT
0-4 s	Phase 1: relay on	On	0 V
4-8 s	Phase 2: relay off	Off	0 V
8-41 s	Phase 3: 0-10 V ramp	Off	1 V steps every 3 s: 0 V up to 11 s, 1 V from 11 to 14 s, 2 V from 14 to 17 s, and so on, up to 10 V from 38 to 41 s
After 41 s	Idle	Return to the configured mode	Returns to the configured mode

The window does not show the phase in progress: follow it on the **Test Mode** card, under **Current phase** and **Applied output**.


Test Mode


Current phase

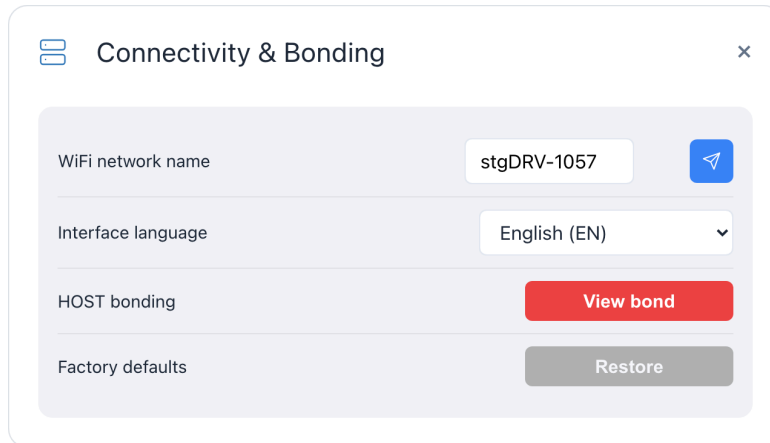
Phase 3: 0-10 V ramp

Applied output

50 % (5.0 V)

- **Cancel** ends the sequence immediately, without asking for confirmation.
- At the end, or when cancelled, the stgDRV returns on its own to the configured modes, which are not changed by the test.
- Starting again during the sequence restarts it from zero.
- The test is not stored: if power fails during the sequence, the stgDRV restarts in normal operation.

Connectivity & Bonding

A screenshot of the 'Connectivity & Bonding' window. It has a title bar with a menu icon and a close button. The window contains four sections: 'WiFi network name' with a text input field containing 'stgDRV-1057' and a blue confirmation button; 'Interface language' with a dropdown menu showing 'English (EN)'; 'HOST bonding' with a red 'View bond' button; and 'Factory defaults' with a greyed-out 'Restore' button.

Connectivity & Bonding

WiFi network name: stgDRV-1057

Interface language: English (EN)

HOST bonding: View bond

Factory defaults: Restore

- **WiFi network name:** to rename the network, type the new name, click the blue button and confirm. The new name takes effect after the stgDRV restarts: switch the power off and on again and reconnect using the new name. The password stays the same.
- **Interface language:** Portuguese (pt-BR) or English (EN). Stored in the unit.
- **HOST bonding:** the **View bond** button opens the bonding window.
- **Factory defaults:** reserved for technical support (greyed-out button).

The **HOST Bonding** window shows the bonded controller:

A screenshot of the 'HOST Bonding' window. It has a title bar with a close button. The window displays the 'Bonded HOST' as '24:6F:28:AA:10:21' in a grey box. Below this, under the heading 'Devices in range', it says 'No devices found.'

HOST Bonding

Bonded HOST: 24:6F:28:AA:10:21

Devices in range

No devices found.

- **Bonded HOST:** address (MAC) of the controller that the stgDRV obeys. With no bond, the window shows "No HOST bonded. This module is bonded from the HOST (stgQAI/stgCPD)."
- **Devices in range:** informative list of the STG units announcing themselves on the same channel. Bonding is done on the controller, not in this list.
- To unbond, use the controller (see *Changing controller*).

BEHAVIOR WITHOUT COMMAND

If the controller command stops arriving for **15 s** (factory value, changeable only by technical support), the stgDRV considers it expired and the **Remote Command** card shows **Expired**. The configured mode does not change; what the output and the relay do depends on the mode:

ANALOG OUTPUT MODE	OUTPUT WITH THE COMMAND EXPIRED
Automatic (factory)	The higher of the Working range: minimum and the Fixed value, limited to the Working range: maximum
STG Communication	Working range: minimum
Fixed	Fixed value, limited by the working range (unchanged by the loss of command)
Off	0 V

RELAY MODE	RELAY AND AC MOTOR WITH THE COMMAND EXPIRED
STG Communication (factory)	Switch off
On	Stay on
Off	Stay off

With the factory settings, the 0–10 Vdc output goes to the Working range: minimum (0 V from factory) and the relay turns off, switching off the AC motor.

- When communication returns, the stgDRV resumes the command on its own, with no reset or restart.
- At power-up, the stgDRV starts with the command expired until it receives the first command from the controller. During the first 2 s, the outputs stay at 0 and the relay stays off; there is no speed peak at start-up.
- If it goes more than 60 s without hearing from the controller, the stgDRV starts announcing itself again and reconnects on its own when the controller returns.
- With a stable value, the controller resends the command every 10 s. With a weak signal, losing one transmission may make the command expire for a few seconds, until the next transmission. If the status alternates between Valid and Expired, move the controller closer or reposition the stgDRV.

The stgDRV enclosure has no status indicator and no user button: diagnosis is done through the web interface or the controller.

FACTORY SETTINGS

SETTING	FACTORY VALUE
Analog output mode	Automatic
Fixed value	0 %
Working range: minimum	0 %
Working range: maximum	100 %
Relay mode	STG Communication
Command expiry time	15 s (changeable only by technical support)
Interface language	Portuguese
Wi-Fi network	stgDRV-<serial number>, password 123456789
STG wireless communication channel	1 (changeable only by technical support)
Interface theme	Light (stored in the browser)

Settings are stored in the unit and kept during power failures. Commands received from the controller and the Test Mode are not stored. Restoring the factory defaults is done by technical support and does not change the network name, the password or the bond with the controller.

Troubleshooting

SYMPTOM	WHAT TO CHECK
The stgDRV Wi-Fi network does not appear	100–240 Vac power supply on power supply terminals F and N (first block); wait about 10 s (up to 30 s) after power-up and move closer to the unit
The page does not open	Check that you are connected to the stgDRV network and open 192.168.4.1; turn off mobile data on the phone
The page values stopped updating	The device left the stgDRV network (the page gives no warning). Reconnect to the network and reload the page
Remote command status: Expired	Controller switched off, out of range, not bonded or on another radio channel. Meanwhile, the outputs stay in the safe state (see <i>Behavior without command</i>)
The status alternates between Valid and Expired	Weak signal: move the controller closer or reposition the stgDRV
The stgDRV does not appear in the controller list	Wait about 10 s after power-up; check in View bond whether it is already bonded to another controller
On the stgQAI, the stgDRV stays "binding..." and then OFF	The stgDRV was already bonded to another controller and rejected the bond. Unbond it on the old controller or contact technical support
The output is stuck at one value and does not follow the controller	Analog output mode set to Fixed : return to Automatic
The output never goes below a certain value, or the fan does not stop with a 0 % command	This is the Working range: minimum . Adjust the minimum or use Off mode
The output does not go above a certain value	Working range: maximum below 100 %
The EC fan or the drive does not respond	A0 and GND wiring to the 0–10 V control input; analog output mode; working range minimum and maximum
Unstable, fluctuating speed	stgDRV GND not connected to the reference of the fan or drive control input
The relay does not follow the controller	Relay mode set to On or Off : return to STG Communication
The AC motor does not start	Is the Relay card showing On ? Check the relay mode and the remote command status. Check the wiring: phase on F , neutral on N , capacitor wire on C and capacitor on the two CAP terminals; motor of up to 7 A
The AC motor does not change speed	Normal: the AC motor is only switched on and off. For variable speed, use an EC fan or a drive on the 0–10 Vdc output

SYMPTOM	WHAT TO CHECK
No field can be changed	Log in as administrator. The session ends when the tab is closed, when the page is reloaded or when someone else logs in as administrator
Greyed-out fields even after login	Settings reserved for technical support
The network does not appear with the new name after renaming	Switch the stgDRV power off and on again
Forgot the network or login password	Contact Storge technical support

QUICK REFERENCE

ITEM	FACTORY VALUE
Wi-Fi network	stgDRV-<serial number>
Wi-Fi password	123456789
Web interface address	192.168.4.1
Administrator login	admin / storge01
Power supply	100–240 Vac, 50/60 Hz (power supply terminals F and N, first block)
Output conversion	10 % = 1 V (0–100 % = 0–10 Vdc)
Command expires after	15 s without communication
With the command expired	Output at Working range: minimum; relay and AC motor off
Controllers	Any Storge controller with STG wireless communication (such as stgQAI master and stgCPD)
Command relay	Up to 5 other stgDRV units