# SAMI-702BT

ANALOGUE PREAMPLIFIERS & MIXERS
*Installation Mixers*

# USER MANUAL

# TABLE OF CONTENTS

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

# 1. PRECAUTIONS

## 1.1 Important Notice

**CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN

**WARNING: SHOCK HAZARD - DO NOT OPEN**

**AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR**

The flashing light with an arrowhead symbol inside an equilateral triangle on it is intended to alert the user of the presence of non-insulated "dangerous voltage" within the enclosure, which might be of sufficient magnitude to pose a risk of electric shock to users.

The exclamation mark within an equilateral triangle is intended to alert the user of the requirement for important operating and maintenance (servicing), for which instructions may be found in the literature accompanying the appliance.

**WARNING (If applicable):** Terminals marked with symbol " ⚡ " may be of sufficient magnitude to pose a risk of electric shock. The external wiring connected to terminals requires installation by a technician, or the use of ready-made leads or cords.

**WARNING:** To prevent fire or shock hazard, do not expose this equipment to rain or humidity.

**WARNING:** A device with Class I manufacturing ought to be connected to a mains socket outlet with a protective earthing connection.

**WARNING:** Ecler products have a long lifetime of more than 10 years. This product must never be discarded as unsorted urban waste, but must be taken to the nearest electrical and electronic waste treatment centre.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 1.2 Key Safety Directions

1. Read the following directions.
2. Keep the following directions.
3. Heed all warnings.
4. Follow all directions.
5. Do not use this device in proximity to water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that may release heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades, being one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, contact a qualified electrician for a replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and at the point of exit from the device.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug the device during lightening sorts or when unused for long periods of time.
13. Refer all servicing to qualified personnel. Servicing is required when the device has been damaged in any way, such as power supply cord or plug damage, liquid spillage or objects onto the device, the device has been exposed to rain or humidity, does not operate normally, or has been dropped.
14. Disconnecting from mains: When switching off the POWER switch, all the functions and light indicators of the unit will be stopped, but fully disconnecting the device from mains is done by unplugging the power cable from the mains input socket, therefore, it should always remain easily accessible
15. Equipment is connected to a socket-outlet with an earthing connection by means of a power cord.
16. The marking information is located at the bottom/rear of the unit.
17. The device shall not be exposed to dripping or splashing liquids, and no liquid-filled objects, such as a filled up glass, shall be placed on top of the device.

## 1.3 Cleaning Directions

⚠️ **Clean the unit with a soft, dry clean cloth** or slightly wet with water and neutral liquid soap only, then dry it with a clean cloth. Be careful that water never gets into the unit through any hole. Never use alcohol, benzine, solvents or abrasive substances to clean this unit.

**NEEC AUDIO BARCELONA, S.L.** accepts no liability for any damage that may be caused to people, animal, or objects due to failure to comply with the warnings above.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 2. WARRANTY & ENVIRONMENT

### Thank you for choosing our Ecler SAMI-702BT!
### We greatly value your trust.

It is **VERY IMPORTANT to carefully read this manual and to fully understand its contents before any connecting takes place** in order to make the best use of this equipment, as well as to get the best performance from it.

To ensure optimal operation of this device, **we strongly recommend that its maintenance be carried out by our authorised Technical Services.**

**All ECLER products are covered by warranty**, please refer to [www.ecler.com](www.ecler.com) or the warranty card included with this product for the period of validity and conditions.

**Ecler is truly committed with the environment and planet sustainability, energy saving and CO$_2$ emission reduction.** Recycling materials and using non-contaminant components are also top priorities in our green crusade.

**Ecler has deeply evaluated and analyzed the environmental impacts of all the processes involved in the production of this product, including packaging, and has alleviated, reduced and/or compensated for them.**

## 3. PACKAGE CONTENTS

- ±17.5VDC external multi-plug PSU.
- EuroBlock connectors.
- Rubber Feet.
- Mini Jumpers.
- First Steps Guide.
- Warranty card.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

# 4. DESCRIPTION & FEATURES

**SAMI-702BT** is an installation audio mixer in standard rack format, featuring 6 MIC/LINE Stereo inputs +1 Bluetooth® Stereo input, 1 main mix output and one AUX/REC additional output.

It includes a 3 band tone control section, Talkover (priority) function assignable to each MIC/LINE input over the mix bus, ST/MONO mix switch and MUTE port for external dry contact triggering.

## 4.1 Main Features

- 7 input channels, 2 outputs 19" installation mixer.
- 6 MIC/LINE Stereo inputs.
- 1 Bluetooth® Stereo input.
- 1 main mix output and one AUX/REC additional output.
- 3 band tone control section.
- Talkover (priority) function assignable from each MIC/LINE input over the mix.
- Micro sensitivity level can be adjusted on the back panel.

- +18V Phantom Power available for all MIC inputs.
- MUTE remote control input enabled by external dry contact closure that allows connection of fire detection systems and other safety devices that have to mute the mixer by using this control signal.
- Universal external power supply (multi-plug).

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 5. INSTALL & CONNECT

SAMI-702BT mixer has been specially designed to be installed in a standard 19" rack, taking up 1U. It has been designed to be operated by non-technical users. This is the reason why its tone controls are adjustable only with a screwdriver. On the opposite, input and output level controls use classic and easily accessible rotary knobs.

💡 **Due to its low power consumption and heat sink, the SAMI-702BT does not need any fan cooling. However, avoid installing it in dusty environments and/or in a location with extreme temperature and moisture.**

⚠️ **The mixer should be kept apart from noise and interference sources (dimmers, motors, etc...) as well as from power cables.**

The SAMI-702BT is powered by alternating current through its external power supply: 100-240 VAC and 50-60 Hz. **This external PSU has interchangeable connectors:** American, European, British and Chinese.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

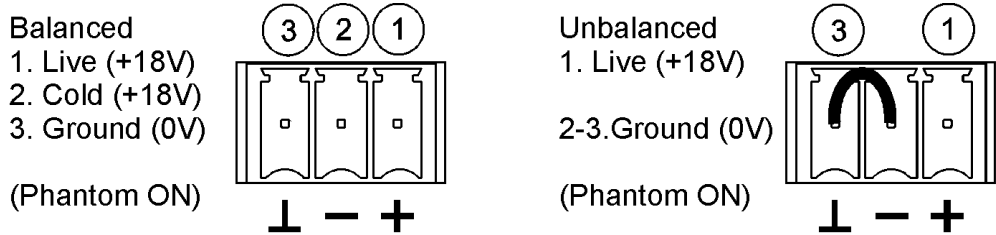# 6. START-UP & OPERATION

## 6.1 Connectrions

### 6.1.1 Inputs

SAMI-702BT **supports two types of audio signals for each of its first 6 inputs** (mono MIC or stereo LINE), selectable by a MIC/LINE switch on the rear panel:
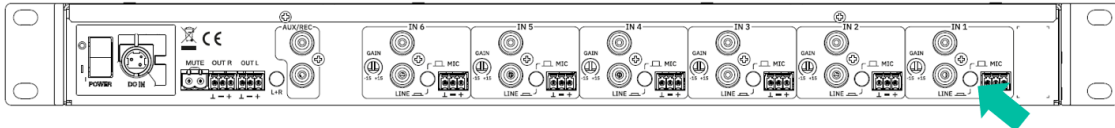


**Microphone signal**: 6 mixing channels offer a Euroblock connector for a nominal input level from −50dBV (3.16mV) to −20dBV (0.1mV), with a GAIN control on the rear panel to adjust the gain.

**Wiring diagram for microphones**:

Balanced
1. Live (+18V)
2. Cold (+18V)
3. Ground (0V)

(Phantom ON)

Unbalanced
1. Live (+18V)

2-3. Ground (0V)

(Phantom ON)



> ⚠️ **Microphones must be low impedance (200 to 600 Ω ) and monophonic.**

The SAMI-702BT supplies **phantom power for condenser microphones**; it is enabled by an internal jumper (see diagram).
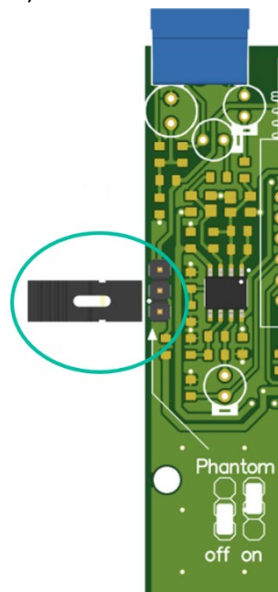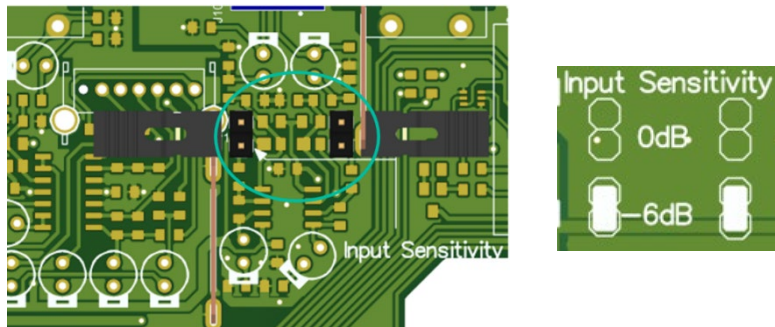


Phantom
off  on

> 💡 **By default, phantom power is disabled (factory setting).**

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

The **Talkover (priority) function operates when a signal is detected at the inputs 1 to 6** this function is assigned to; it attenuates the other inputs of the unit that don't have priority. Turn it on/off for each input channel with the "tk" switch on the front panel.
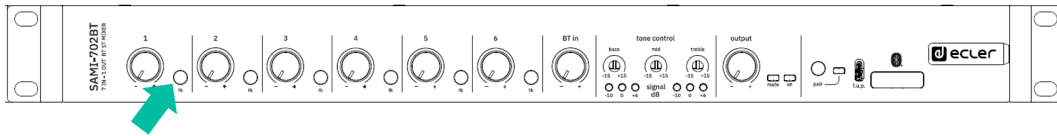


**To manage the important level differences existing between conventional CD and LINE sources and other devices capable of producing audio signals, the LINE inputs 1-6 of the SAMI-702BT are standard line inputs (0dBV) and the sensitivity of the LINE input #7 can be selected (0/-6dBV) by internal jumper** (the default position is 0dBV). A sensitivity of -6dBV is ideal for low-level sound sources such as media players, portable MP3 players, tablets, computers, mobile phones, etc.



⚠️ **Turntables cannot be directly connected to this unit, because SAMI-702BT has no RIAA preamp equipped input**.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER
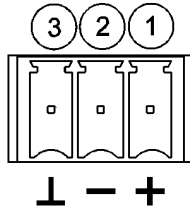
PANEL FUNCTIONS

TECHNICAL DATA

## 6.1.2  Outputs

**SAMI-702BT has a main stereo output (OUT L / OUT R), with electronically balanced Euroblock connectors**.
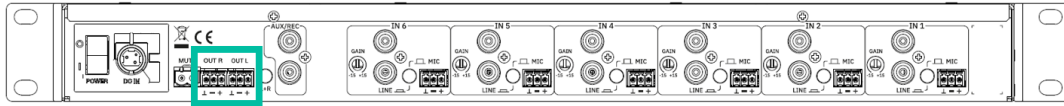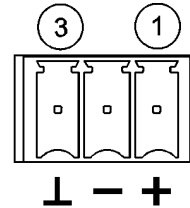


**Connection is made according to the following diagram:**



Balanced
1. Live
2. Cold
3. Ground

Unbalanced
1. Live

3. Ground

💡 **The mixer's main output level (OUTPUT VOL) must be set in order to avoid your system power amp clipping indicators (CLIP) to be permanently lit.** Only the most powerful lower frequencies must light them.

⚠️ **The Aux Output has a jumper allowing to select between Aux Pre or Aux Post mode:**

a) **Aux Pre mode**: the Aux Output is just a copy of the Main Output content. It means that the output level will always be 0dBV, regardless of whether the "Output Sensitivity" jumper is activated or not.

b) **Aux Post mode**: the Aux Output is an exact copy of the Main Output and both will have the same output level, i.e. 0dBV if the "Output Sensitivity" jumper is not activated or with an increase of +6db if it is activated.
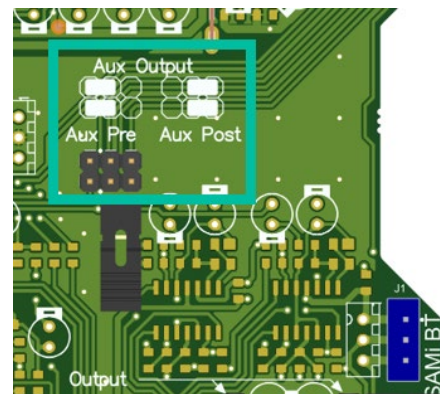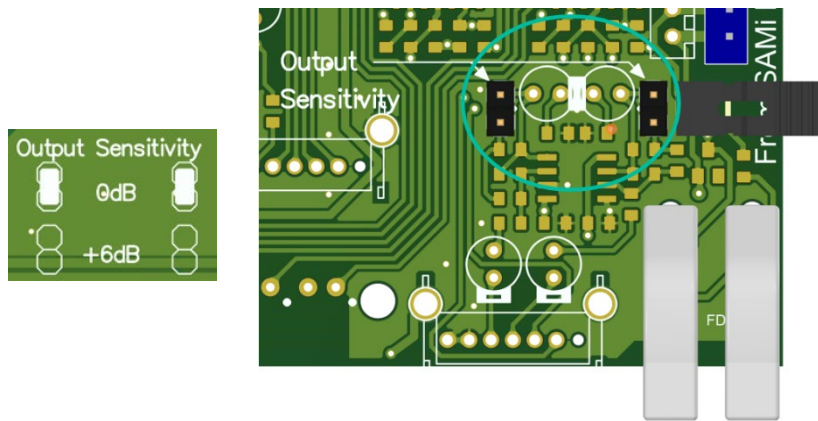
PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 6.1.3   Other connections on the back panel
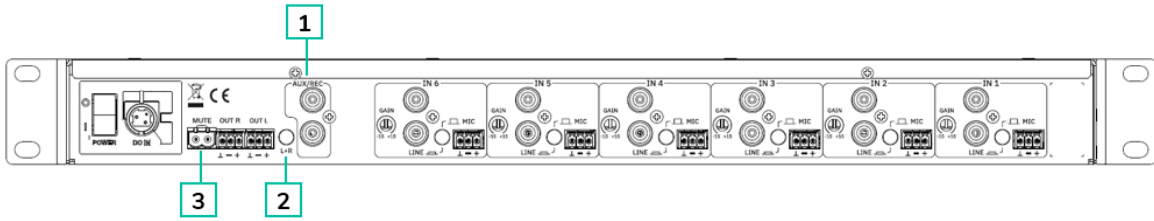


1. **AUX/REC output** with a nominal output of 0dBV (10kΩ load) and an **extra gain setting of +6dB, enabled by internal jumper (0dBV is the default position).**



> ⚠️ **Please note that the "Output Sensitivity" selector always affects the main output.**

2. **L+R switch:** convert output signals in a mono signal.

3. **MUTE remote control input**: enabled by external dry contact closure. It allows connection of fire detection systems and other safety devices that have to mute the three mixer outputs by using this control signal. The mode of operation is "NO" (normally open).

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 6.2 Starting-up

**Plug the external PSU to the DC IN connector located on the rear panel and then, after connecting it to the power outlet, press the on/off switch to power the unit.**
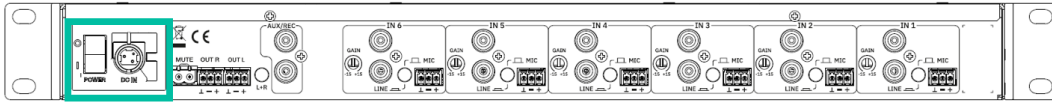


💡 Even the power-up noise of **SAMI-702BT** is minimal, **we highly recommend to power up all equipment in the following order**:

1. sound sources,
2. mixing units,
3. equalizer,
4. processors and finally
5. power amplifiers.

**The power down sequence is the inverse of the power up one.**

## 6.3 Equalization

The **tone controls of the main output provide a ± 15dB gain/attenuation for each of the bands,** and their central operating frequencies are 100Hz, 2kHz and 10kHz. Given the philosophy of this unit, the **tone controls are designed to be adjusted with a screwdriver, thereby preventing accidental manipulation during normal use**.
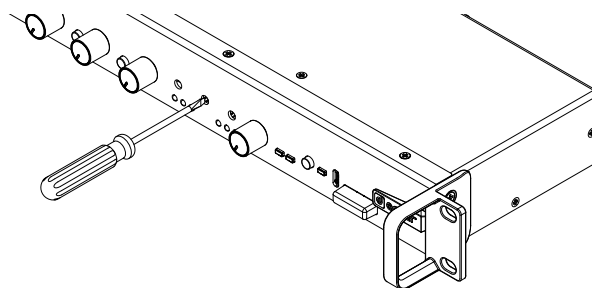


## 6.4 VU-Meter

The SAMI-702BT **has a VU-meter to show the main mixing signal**.
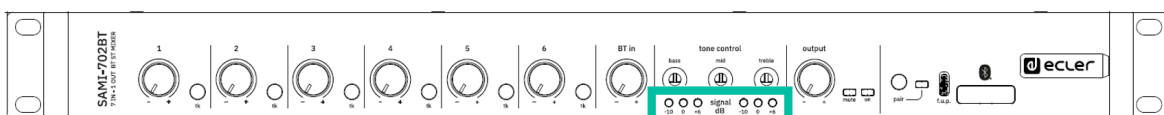
PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 6.5   Ground Loops, Background noise

⚠️ **Please always make sure that the signal sources coming to the unit, as well as all devices connected to its outputs, do not have their grounds interconnected**, that is; ground must never come from two different devices. Should this ever happen, noises could occur and seriously interfere the sound quality.

⚠️ **Cable shields, when connected to the chassis, must never be linked together**. This will avoid ground loops.

The **SAMI-702BT mixer has been designed to produce the lowest background noise**. Independently from the electronic design, the resulting background noise directly relies on the correct use and installation of the mixing unit.

**Adjust, where appropriate, the gain of each input for an adequate operating level** and then adjust the VOL controls on the front panel to obtain the desired input mix.

Finally, **adjust the VOL control of the main mix output to get the relevant output volume for your installation**, and also enable the "tk" switches for priority inputs (a signal detection on these priority inputs will attenuate the signal of non-priority inputs).

⚠️ **Important note on mix level adjustment:** setting for example a channel VOL control to "2" and the output VOL control to "10" is not the same as the opposite. In the first case, the signal entering the mixing amplifier is weak, but even so it contains a background noise, so the signal/noise ratio is low (low signal). When the output amplifier equally amplifies both parts as a whole, the output has a very high background noise. In the second case, as the channel VOL control is set to the maximum, the signal received by the mixing amplifier has a high level and therefore also a high (good) signal/noise ratio, so when this signal reaches the output VOL control and is amplified, the signal/noise ratio remains better than in the previous case.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

# 7. ECLER BLUETOOTH® MANAGER



Ecler Bluetooth® Manager is a Windows® application that allows configuring Bluetooth® parameters, such as the Bluetooth® name shown in compatible devices or the password for pairing.

## 7.1 Connection to the PC
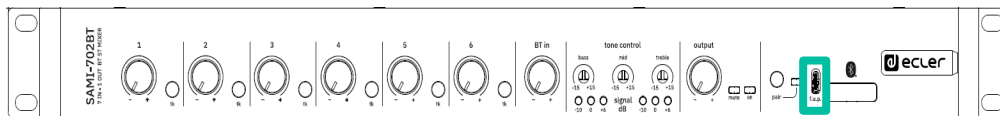


1. **Make sure that the device is connected to the mains and switched on.**

2. **Connect the USB cable of your PC (Windows®) to the USB-C port on the SAMI-702BT.**

3. **On the computer, [download and run the Ecler Bluetooth® Manager application.](#) The latest available version of the firmware is provided with the application.**
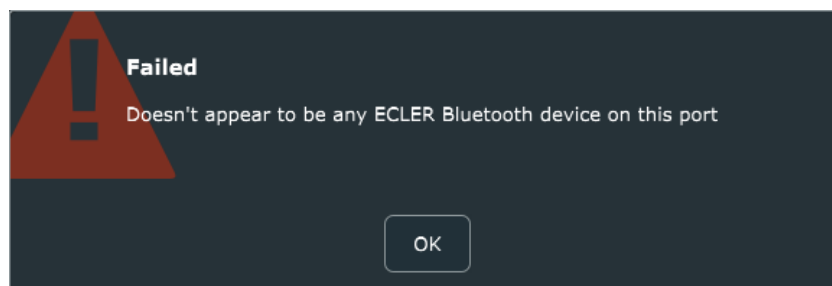
> 💡 **Configuration application is available only for Windows®.**

4. **Select the corresponding COM port.**
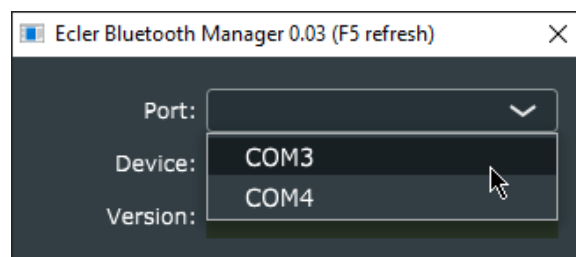


> 💡 If the COM port is not suitable for SAMI-702BT, an error message will be displayed, and you should try another COM port.



5. **If the connection is successfully established, a success message will be displayed on the screen. Press OK to continue.**

PRECAUTIONS

WARRANTY & ENVIRONMENT
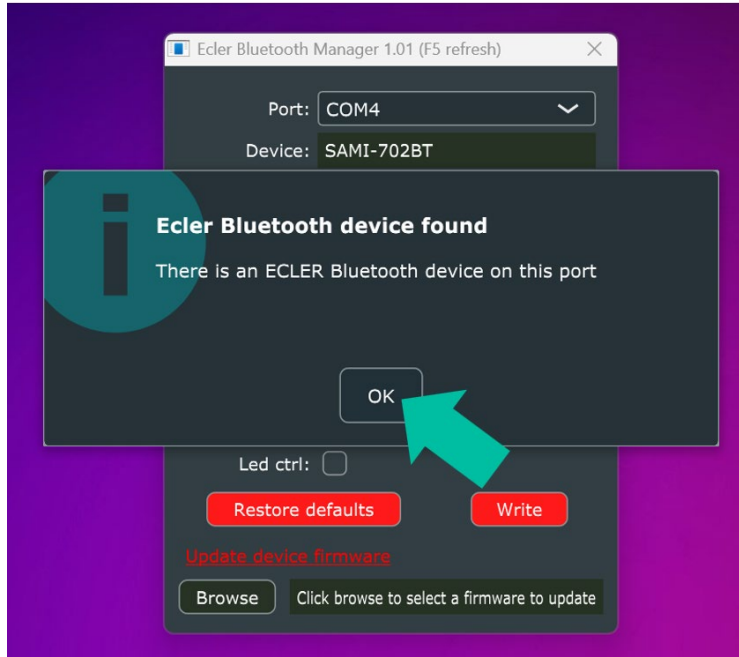
PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

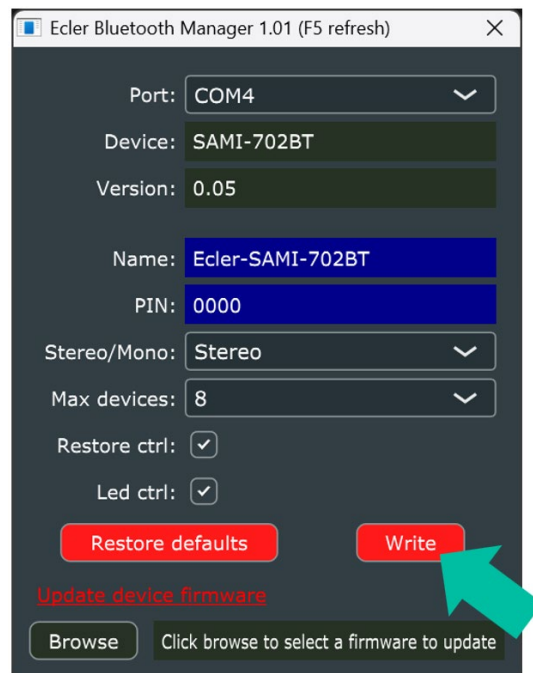ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 7.2   Configuration

**The Ecler Bluetooth® Manager application automatically detects the device. It allows you to make the following adjustments.**

> 💡 **To apply a certain configuration, modify the parameters in line with your needs and press the "Write" button located in the lower right-hand corner of the window to apply the changes.**



- **DEVICE:** corresponds to the commercial name of the detected device.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

- **VERSION**: indicates the current version of the device's firmware.

- **NAME**: name under which it appears on other Bluetooth® devices. By default, this is Ecler-SAMI-702BT. This name can be modified, in order to be easily identifiable by a user.

- **PIN**: 4-digit numeric PIN password for pairing the device. To add a level of security, an access PIN can be set.

  > 💡 **By default (factory settings), no PIN is required.** If the device you are trying to pair requires a PIN, enter the default values of "0000" or "1234".

- **STEREO/MONO:** allows you to set the device output to stereo (Left - Right) or mono. If this is set to mono, stereo is converted to mono internally in the device. Both "Left" and "Right" outputs will transmit the same signal (dual-mono).

- **MAX DEVICES**: sets the maximum number of devices remembered by the SAMI-702BT device. A remembered device does not need to be paired again, and the connection will be established automatically when both devices are in range. The most recently paired device will take priority over older devices. If this is set to 1, it will only remember one device, so it will only connect to the most recently paired device automatically. Any other new or old device (that has already been paired) will need to be paired again.

- **RESTORE CTRL**: if selected, this allows you to reset all the settings of the device to factory defaults by pressing the PAIR button on the front panel.

- **LED CTRL**: allows you to activate or deactivate the front LED using the PAIR button on the front panel.

- **RESTORE DEFAULTS BUTTON:** resets all the settings of the device to factory defaults.

- **WRITE BUTTON**: applies the configuration changes to the device.

- **BROWSE BUTTON**: allows the firmware to be updated manually. Pressing the button opens a dialogue box that enables you to browse and select the firmware file.

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

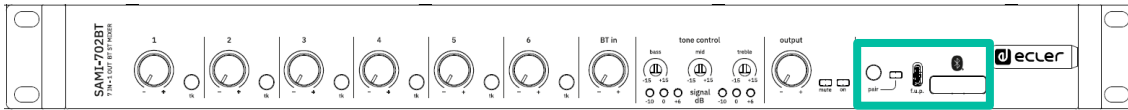INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER
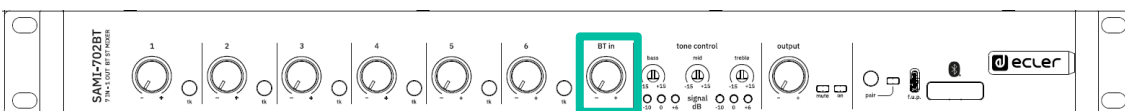
PANEL FUNCTIONS

TECHNICAL DATA

## 7.3    Operation

**SAMI-702BT has a PAIR button and an activity LED on the front panel.**



1.  **Waiting for connection**: LED flashes once every second (heartbeat). This indicates that there is no active connection.

2.  **Pairing**: To pair two devices, press and hold the PAIR button for approximately 2-3 seconds. The LED will start to flash rapidly, indicating that the device is now visible and ready to pair with other Bluetooth® devices. On your Bluetooth® device (mobile phone, tablet, computer, etc.) go to the Bluetooth® settings and select the "Ecler-SAMI-702BT" device. SAMI-702BT will remain in pairing mode for one minute. If no pairing is established after one minute has elapsed, it will return to the "waiting for connection" state.

3.  **Connected**: once the devices are paired, when the connection is established, the LED will light up continuously. If the connection to the device is lost, it will return to the "waiting for connection" state.

4.  **Disable/Enable LED**: If this feature is enabled, you can disable/enable the LED when the device is in "waiting for connection" mode or "connected" mode with a short press of the PAIR button. If the device enters pairing mode, when the process is finished (whether it is paired or not), the LED will always be in the active state.

5.  **Reset to factory settings**: If this function is enabled, you can press and hold the PAIR button for approximately 10 seconds to reset it to factory settings. Press and hold the PAIR button until it stops flashing rapidly and the LED lights up continuously.
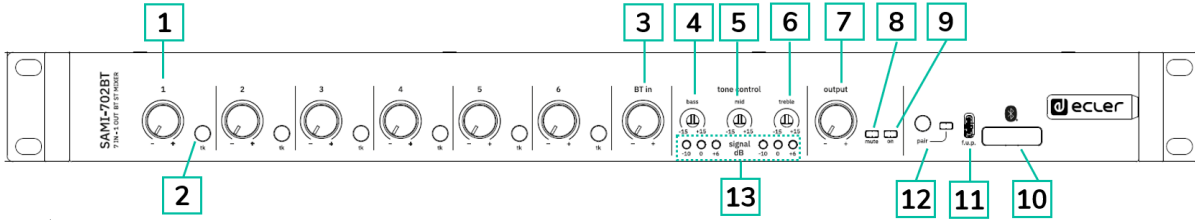
**The Bluetooth® input channel has a dedicated volume control on the front panel.**

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER
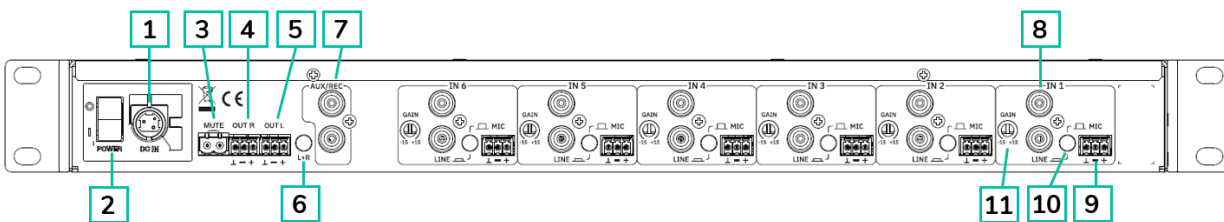
PANEL FUNCTIONS

TECHNICAL DATA

# 8. PANEL FUNCTIONS

## 8.1 Front Panel



1. Channel volume control, VOL x6
2. Talkover switch, tk x6
3. Bluetooth® Input Volume control
4. Bass control, BASS
5. Midrange control, MID
6. Treble control, TREBLE
7. Output main volume control, OUTPUT VOL

8. LED indicator, MUTE
9. LED indicator, POWER ON
10. Bluetooth® RX antenna
11. USB-C port (only for Bluetooth® configuration & Firmware update - configuration by qualified technical staff only-).
12. BT Pair button and status LED
13. Led Vu-meter, LEVEL

## 8.2 Rear Panel



1. Mains socket
2. Mains switch, POWER
3. Screwable terminal for remote mute, MUTE
4. Main output, right channel, OUTPUT R
5. Main output, left channel, OUTPUT L

6. Mono-stereo switch, L+R
7. Recording output, AUX/REC
8. Line input, LINE x6
9. Micro input, MIC x6
10. Micro line selector x6
11. Input sensitivity adjust, GAIN x6

# 9. TECHNICAL DATA

## 9.1 Technical Specifications

### SAMI-702BT

#### ANALOGUE AUDIO INPUT PORTS

| | |
|---|---|
| Number of input ports | 6, MIC/LINE |
| | 1, BT in (Bluetooth® LINE STEREO) |
| Connection type | MIC: 3-pin Euroblock |
| | LINE/MIX: RCA |
| | Bluetooth® Receiver |
| Input sensitivity | LINE 1-6: 0dB |
| | Bluetooth® LINE 7: 0dB/-6dB (internally selectable) |
| | MIC BAL: -35dB |
| Input sensitivity adjust | MIC/LINE 1-6: ±15dB |
| Input impedance | LINE 1-6: 50kΩ |
| | MIC BAL: >1kΩ |
| CMRR | MIC: >60dB @ 1 kHz |
| Phantom voltage | +18VDC |

#### ANALOGUE AUDIO OUTPUT PORTS

| | |
|---|---|
| Number of output ports | 1 main mix output |
| | 1 AUX/REC output |
| Connection type | Main: 3-pin Euroblock |
| | AUX/REC: RCA |
| Output type | 1 STEREO/2 MONO main mix output |
| | 1 STEREO AUX/REC |
| Nominal output level | OUT: 0dB/+6dB (internally selectable) |
| | AUX/REC: 0dB/+6dB (follows MAIN OUT, when AUX OUT=POST) |
| Output impedance | OUT: 600Ω |
| | AUX/REC: 10kΩ |

#### SIGNAL

| | |
|---|---|
| Frequency response | LINE 1-6: 10Hz-50kHz -1dB |
| | Bluetooth® LINE 7: 20Hz-20kHz -1dB |
| | MIC BAL: 10Hz-30kHz -1dB |
| THD + Noise | LINE 1-6: <0.005% |
| | Bluetooth® LINE 7: <0.03% |
| | MIC BAL: <0.04% |
| Signal noise ratio | LINE 1-6: >100dB |
| | Bluetooth® LINE 7: >100dB |
| | MIC BAL: >85dB |

#### DEVICE CONTROL

| | |
|---|---|
| Tone Control | 3-way tone control |
| Tone Frequency Cut | BASS: 100Hz ±15dB |
| | MID: 2kHz ±15dB |
| | TREBLE: 10kHz ±15dB |
| Talkover | TIME: 2 seconds |
| | EFFECT: -30dB |
| Control Buttons | Power ON, Talkover, LINE/MIC, L+R (output), Gain knob, Volume knob, Bluetooth® Pair |
| Status Indicators | Power ON LED, MUTE LED, Vu-meter LEVEL LEDs, Pair LED |

| | |
|---|---|
| Programming and control | ECLER BLUETOOTH® MANAGER - EBTM |
| Interface | USB - C |

**REMOTE CONTROL CONNECTIONS**

| | |
|---|---|
| GPIs | MUTE control port NO/NC |

**BLUETOOTH®**

| | |
|---|---|
| Type | Class 1, 5.0 |
| Range | 25m |
| Profiles | A2DP1.3/AVRCP1.6/HFP1.7.2/HSP1.2 |
| Decoder support | AAC, SBC |
| Output configuration | STEREO / MONO (configurable via EBTM) |

**ELECTRICAL**

| | |
|---|---|
| Power supply | ±17.5VDC External PSU |
| AC mains requirement | 100-240 V @ 50-60Hz (External PSU: 17.5VDC) |
| AC mains connector | IEC inlet connector |
| Power consumption | 14.35VA  / 6.6W |
| Cooling | Passive |

**PHYSICAL**

| | |
|---|---|
| Operating temperature | Min: 0°C ; 32°F<br>Max: 35°C ; 95°F |
| Operating humidity | <85% HR |
| Storage temperature | Min: -10°C ; 14°F<br>Max: 40°C ; 104°F |
| Storage humidity | <90% HR |
| Installation options | 19" rack format (1RU) |
| Included accessories | ±17.5VDC multi-plug PSU, EuroBlocks, Rubber Foot, Mini Jumpers |
| Dimensions (WxHxD) | 482.5 x 44 x 153.7 mm  /  19 x 1.73 x 6.05 in |
| Weight | 1.9 kg  / 4.19 lb |
| Shipping dimensions (WxHxD) | 560 x 60 x 295 mm  / 22.05 x 2.36 x 11.61 in |
| Shipping weight | 2.6 kg  /  5.73 lb |

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

## 9.2 Mechanical Diagram

All **measurements in mm.**



Ecler SAMI-702BT Mechanical Diagram

482.5

432

44

120.1

4

29.6
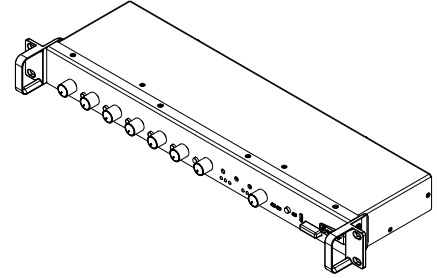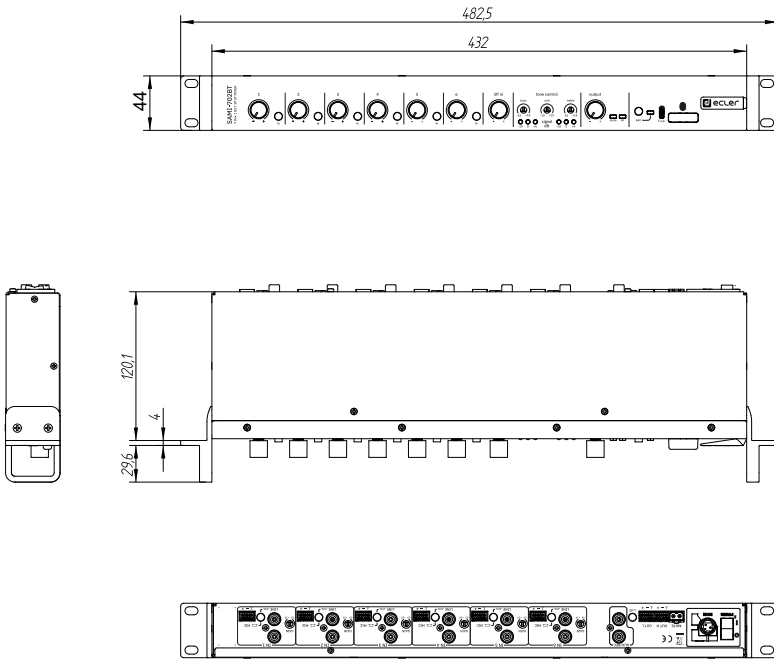
All the measurments are in mm

61-1139-0100

www.ecler.com

PRECAUTIONS

WARRANTY & ENVIRONMENT

PACKAGE CONTENTS

DESCRIPTION & FEATURES

INSTALL & CONNECT

START-UP & OPERATION

ECLER Bluetooth® MANAGER

PANEL FUNCTIONS

TECHNICAL DATA

PRECAUTIONS

WARRANTY
&
ENVIRONMENT

PACKAGE
CONTENTS

DESCRIPTION
&
FEATURES

INSTALL
&
CONNECT

START-UP
&
OPERATION

ECLER Bluetooth®
MANAGER

PANEL
FUNCTIONS

TECHNICAL
DATA

# ecler