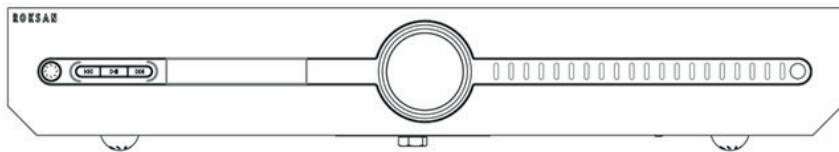


Attessa Streaming Amplifier

Set Up Guide and Product Manual

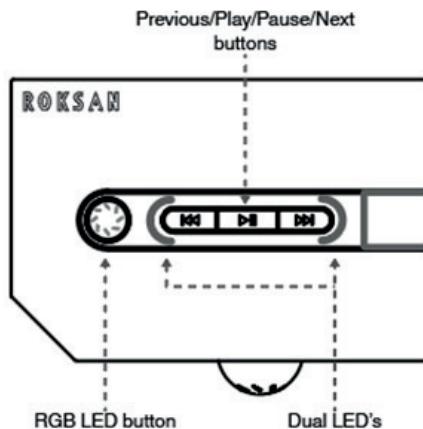
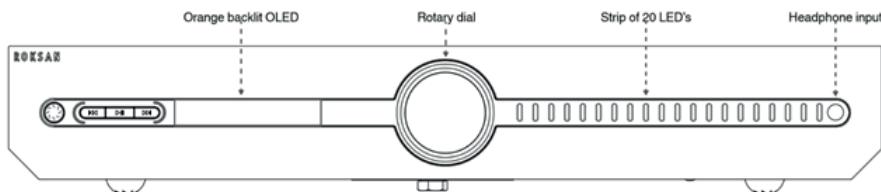


ROKSAN

roksan.com

FRONT CONTROLS	4
User interaction inputs:	4
User interaction outputs:	4
REAR CONNECTIONS	5
REMOTE	6
SET UP OPERATION	6
OLED DISPLAY	7
VOLUME CONTROL	8
Controls	8
Process & Indicators	8
INPUT SELECTION	8
TRACK FUNCTIONS	9
Control	9
Process & Indicators	9
OLED DISPLAY LIFE EXTENSION	11
Process & Indicators	11
BLUOS SYSTEM	11
Control	11
Set-Up	11
BluOS Indicators	11
SPECIFICATIONS	12

FRONT CONTROLS



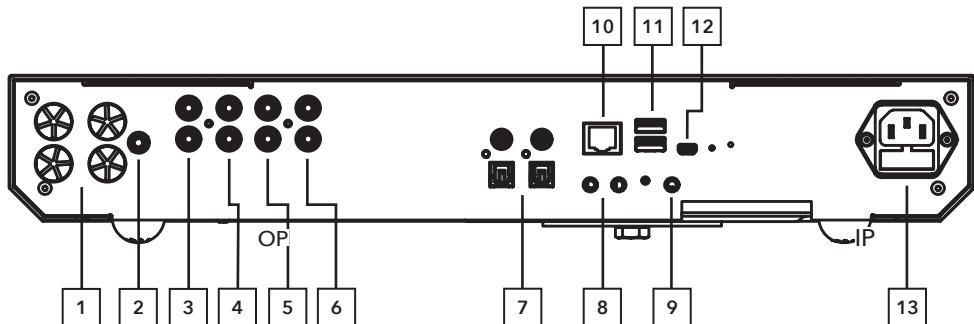
User interaction inputs:

- RGB LED button
- Manual buttons (Previous, Play/Pause & Next)
- Rotary dial
- Headphone socket
- Roksan app
- BluOS app

User interaction outputs:

- RGB LED button
- Dual LED's
- OLED dynamic display
- Rotary Dial
- LED strip

REAR CONNECTIONS



1. Speaker Inputs

Connect loudspeaker cables to these connections. Positive to positive and negative to negative

2. Turntable Grounding Post

Used to ground the tone arm attached to the turntable

3. Phono Input

Connect the output from the turn table to the Attessa Streaming Amplifier

4. Analogue 1 Input

Connect and analogue source

5. Analogue 2 Input (music sense)

Connect a second analogue input. WHAT IS MUSIC SENSE??

6. Pre-Out/ Subwoofer

Connect to a power amplifier or subwoofer.

7. Coax/Optical SPDIF Inputs

Connect digital sources by either coaxial or optical connection

8. 12V Trigger Input/Output

Used to connect a 12v trigger input and output to control (output) or be controlled (input) using the 12v trigger.

9. IR In

10. Ethernet/LAN

Connect to the LAN via wired connection

11. USB Input/Output

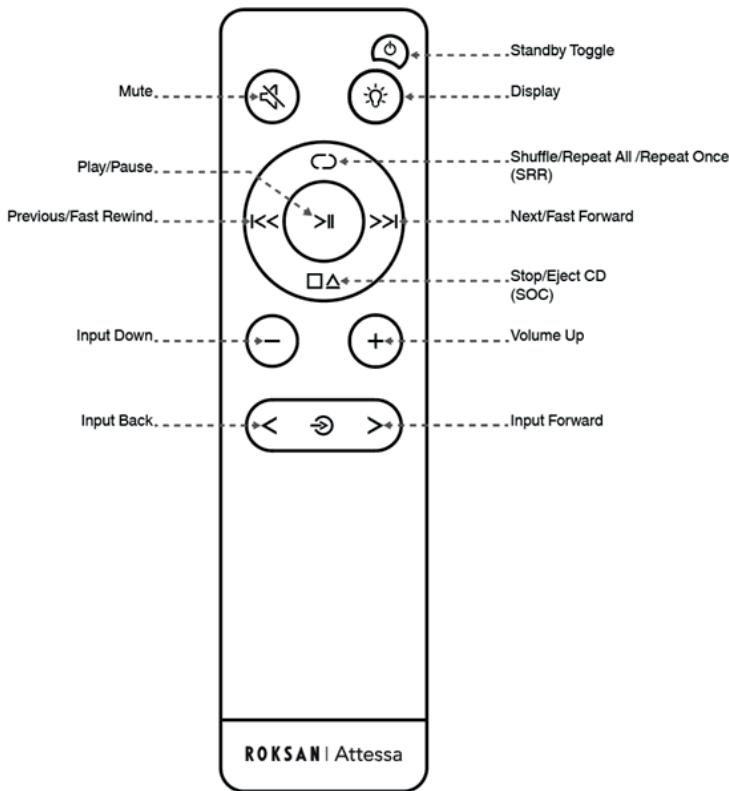
12. Service Port

For service only. Do not use.

13. AC Power Socket

Connect using the supplied mains cable. Fuse also located here in drawer.

REMOTE



Remote feedback: All actions have the remote LED flash on and off.

SET UP OPERATION

1. Standby

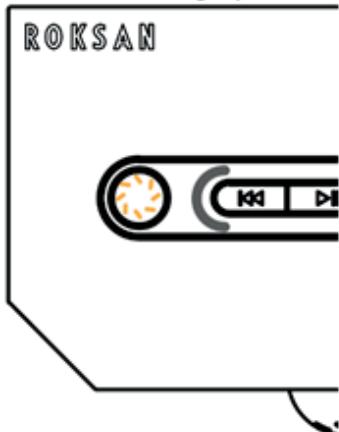
A single press of the RGB LED button or single press of the standby/power button on the remote and RGB LED goes solid red.

2. Power

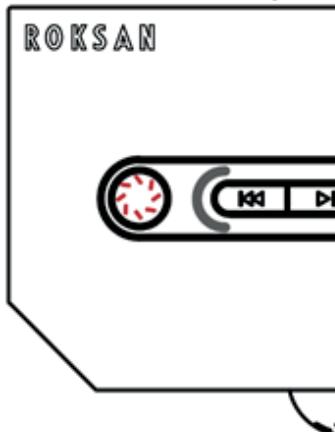
A single press of the LED button or single press of the standby/power button on the remote and RGB LED goes a solid orange colour.

Illustration of RGB LED button detailing orange spiral design in power mode and standby mode.

//RGB LED orange: power mode



//RGB LED red: standby mode



3. Load/warm up phase

Roksan logo to appear when product goes into power mode.

4. BLE pairing mode:

During set up mode via the app the BLE passkey appears on the screen.

OLED DISPLAY

The inputs available on the streamer are scrolled through using the encoder or remote and are displayed using the following icons:



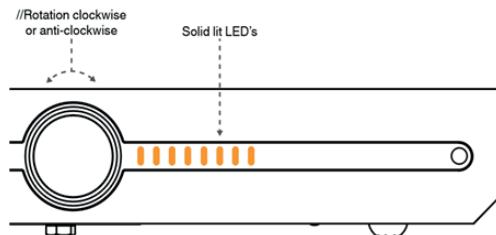
VOLUME CONTROL

Controls

- Rotary dial
- Remote
- BluOS app

Process & Indicators

- Incremental increase: clockwise turn of rotary dial or single press of remote + button. LED strip will illuminate more coloured bars.
- Incremental decrease: anti-clockwise turn of rotary dial or single press of remote - button. Illuminated LED bars will reduce.
- Muting: A single press of the 'mute' button on the remote or incremental rotation until the step 0.
- Unmuting: A single press of the 'mute' button on the remote. Incremental increase of volume can be used to unmute. LED bar will return to previous volume state
- Volume maximum: When all LED bars are illuminated.
- Headphones connected: mutes attached speakers; volume output goes to 'safe' headphone level. LED strip display changes to new volume level.



INPUT SELECTION

Controls

- Rotary dial
- Remote

Process & Indicators

- Selecting input: Rotary dial is pressed and held while user rotates either clockwise & anti-clockwise when selecting. When using the remote the input arrow buttons change the input. OLED will highlight the icon for that selected input.
- Connected to input: OLED will display a solid icon for the selected input.
- Bluetooth pairing:
- Bluetooth disconnected: OLED will display disconnected status.

TRACK FUNCTIONS

Control

- Manual buttons
- Remote
- BluOS app

Process & Indicators

Track functions are only applicable for the Bluetooth input & BluOS inputs.

1. Pause:

a single press of the play/pause button (remote or manual button) and the dual LED's to flash on.

2. Play:

a single press of the play/pause button (remote or manual button) and the dual LED's to flash on.

3. Stop state:

a single press of the SOC button to access the stop state or a single press of the stop button on the remote.

OLED to show the stop icon.

4. Track forward:

a single press of the track forward button (remote or manual button) and the right dual LED to flash on.

5. Track restart:

a single press of the track back button (remote or manual button) and the left dual LED to flash on.

6. Track back:

a double press of the track back button (remote or manual button) and the left dual LED to flash on.

7. Seek forward:

holding of the track forward button and right dual LED to be on for duration of command.

8. Seek back:

holding of the track back button and left dual LED to be on for duration of command.

9. Shuffle:

single press of SRR remote button. OLED to display shuffle icon.

10. Repeat all:

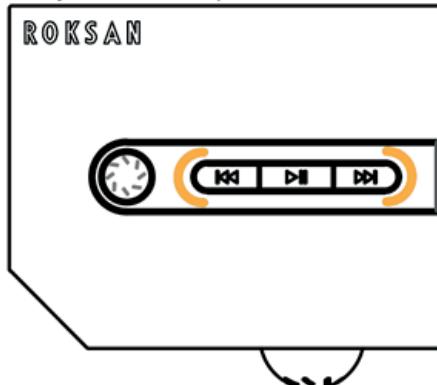
double press of SRR remote button. OLED to display repeat all icon.

11. Repeat once:

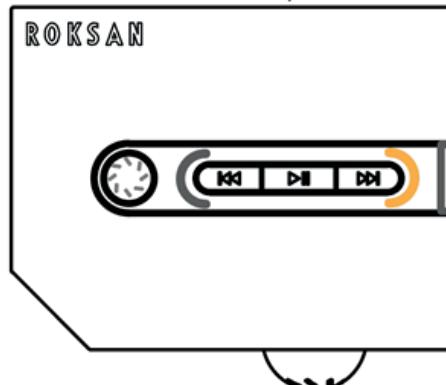
triple press of SRR remote button. OLED to display repeat once icon.

Note: If the first action is to press track forward or track back this will automatically complete the function and then play the track all in one step.

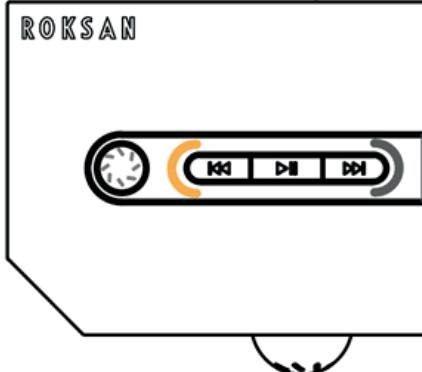
//Play/Pause button pressed



//Next/Fast Forward button pressed/held



//Previous/Fast Rewind button pressed/held



OLED DISPLAY LIFE EXTENSION

This is controlled using the remote control

Process & Indicators

- 1. Display On/Off:**
a single press of the disp. button on the remote.
- 2. Display saver mode:**
no command for 30 seconds, icons to appear dimmer on the OLED.
- 3. Display inactive:**
no command after 60 seconds, the OLED will clear all of icons.
- 4. Display active:**
a single press of any command will bring icons back to full brightness, this single press does not change the current state of the CD transport.



BLUOS SYSTEM

Control

- Rotary dial
- Roksan app
- BluOS app

Set-Up

- BluOS Attessa set-up:

BluOS Indicators

- MQA status: When a track uses MQA services the OLED is to display the MQA or MQA studio icon.
- Hotspot mode: RGB LED is solid green.
- Network cable disconnected: RGB LED to flash green.
- Connecting to network: RGB LED to flash green.
- Hotspot disabled: RGB LED is solid purple. To re-enable the play/pause button is held. Once successful the RGB LED goes solid green.
- Indexing library: RGB LED is solid red.
- Replicating/receiving index: RGB LED to alternate between white and blue.
- Upgrade mode: RGB LED is solid red.

- Receiving IR codes: RGB LED to flicker blue.
- Firmware upgrade: RGB LED to alternate between red and green.



SPECIFICATIONS

Power Amplifier

Power output into 8 Ohm: 75 WRMS, Both Channels Driven THD+N <0.1%

Power output into 4 Ohm: 150 WRMS Single Channel Driven THD+N<0.1%

THD+N: <0.01% (1 kHz, 2 channels, 1 W @ 8 Ohms)

Amplifier Type: Class AB

Gain: 29 dB

Channel Separation: > 90 dB @ 1 kHz & > 60 dB @ 10 kHz

Channel Matching: Better than 0.5 dB

Signal to Noise Ratio: 90 dB

Frequency Response: 10 Hz to 50 kHz (-3 dB)

Mains transformer rating: 250 VA

Pre-Amplifier

Volume Channel Matching: Better than 0.25 dB

THD+N: 0.002% (1 kHz, 2 Vrms at Pre-Out)

Signal to Noise Ratio: 100 dB

RIAA: 47k/56p loading; gain settings suitable for 12 mV, 6 mV, 3 mV output cartridges

Bluetooth

Bluetooth: A2DP Audio profile

Bluetooth Codecs: SBC, aptX & AAC

Bluetooth Range: 15m (typ.)

Digital Inputs

Digital Coax Input: up to 24 bit/192 kHz

Digital Optical Input: up to 24 bit / 96 kHz

DAC

Format Support: PCM

Sampling Rate: up to 192 kHz/24 bit

THD+N: 0.001% (1 kHz, 2 Vrms at Pre-Out)

Signal to Noise Ratio: 106 dB (A-Wtg)

BluOS (Streaming Amp ONLY)

Audio Formats: MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS

Hi-Resolution Audio Formats: MQA, FLAC, WAV, AIFF, Supports converted DSD playback via the BluOS desktop app (only)

Sampling Rate: Up to 32 bit / 192kHz

Supported Operating Systems (Streaming Amp ONLY)

Plays music from network shares on the following desktop operating systems: Microsoft Windows XP, 2000, Vista, 7, 8 to current Windows Operating Systems and Mac OS X versions

Mobile Device Support: BluOS App - free on Android & iOS, available within Google Play & Apple App Store

Mobile Device Control: BluOS application can control inputs, volume and configure BluOS related settings

Supported Cloud Services: Amazon Alexa, Amazon Music, Spotify, TIDAL, Deezer, Qobuz, HDTracks, HighResAudio, Murfie, JUKE, Napster, Slacker Radio, KKBox, Bugs

Free Internet Radio: TuneIn Radio, iHeartRadio, Calm Radio, Radio Paradise

Control Integrations: Crestron, Control4 (OS 3), Control4 (2.9.1), RTI, URC, Push, Lutron, ELAN, iPort

ROKSAN



**Designed and built
in Great Britain.**

Roksan.com
Info@roksan.com

Version 1. 2020

Roksan
24 Brook Road,
Rayleigh, Essex
SS6 7XJ, UK
+44 (0)1268 798900
info@roksan.com
roksan.com