



aune S1c Audio Clock User Manual

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aune S1c Audio Clock



Preface Dear Customers:

Thanks for purchasing the aune S1c and congratulations on choosing this high-quality audio clock. We sincerely hope the S1c will bring you excellent Hi-Fi experience. Please read this manual carefully before using the device.

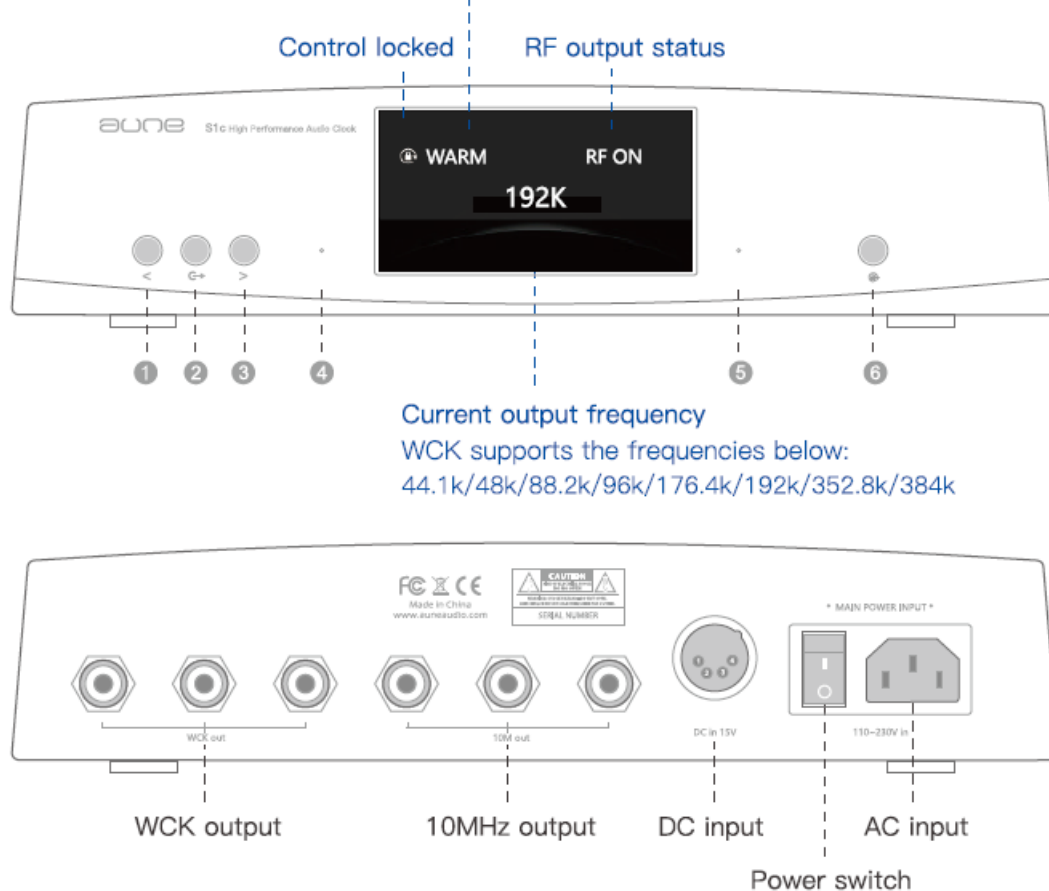
S1c at a Glance

Warm-up indicators:

Red: warming up; no clock signal output.

Yellow: not fully warmed up; able to output clock signals.

No "WARM" on the screen: fully warmed up; able to output clock signals.



The screen will go dimmer after 10 minutes of inactivity; the screen will turn off after 20 minutes of inactivity (no other functions will be influenced).

- **Frequency down**

Change the frequency to the next lower one

- **eRF output switch**

Enable/disable RF output

- **Frequency up**

Change the frequency to the next higher one

- **Output status indicator light**

When the output is disabled, the red light is on

- **Screen off indicator light**

When the screen is off, the green light is on

- **Control lock**

Press the button to disable the panel controls;
press the button for 3 seconds to unlock



Introduction

The S1c is a high-steady-state low-jitter audio clock designed to provide high- quality clock signals to digital audio devices. The six outputs (10MHz*3, WCK*3) can work simultaneously.

Misc

Enclosure material: premium machined and anodized aluminum

- **AC supply:** 100-240VAC 0.75A 50/60HZ
- **DC supply:** 15V 2A
- **Power:**<30W

DO NOT USE AC AND DC AT THE SAME TIME.

1. Output Frequency

1. 10MHz* 3
2. WCK(1-8Fs)* 3 (Fs=44.1kHz or 48kHz, i.e. MAX 352.8kHz or 384kHz)

2. Output Power

1. 10MHz >7dBm(50Ω)
2. WCK >7dBm(75Ω)

3. Output Waveform

1. Square wave

4. Rise Time

1. <2ns

5. Audio Stability

1. <5ppt

6. Phase Noise (10MHz)

1. <-100dBc @ 1Hz Offset
2. <-130dBc @ 10Hz Offset
3. <-140dBc @ 100Hz Offset
4. <-150dBc @ 1kHz Offset
5. < -158dBc @ above 10kHz Offset

7. Phase Jitter

1. <100Fs BW 10Hz-100kHz

8. Frequency Accuracy (factory)

1. <±0.02ppm

9. Warm-up Time

1. Basic warm-up: 5min
2. Full warm-up: 60min

10. Ambient Temperature

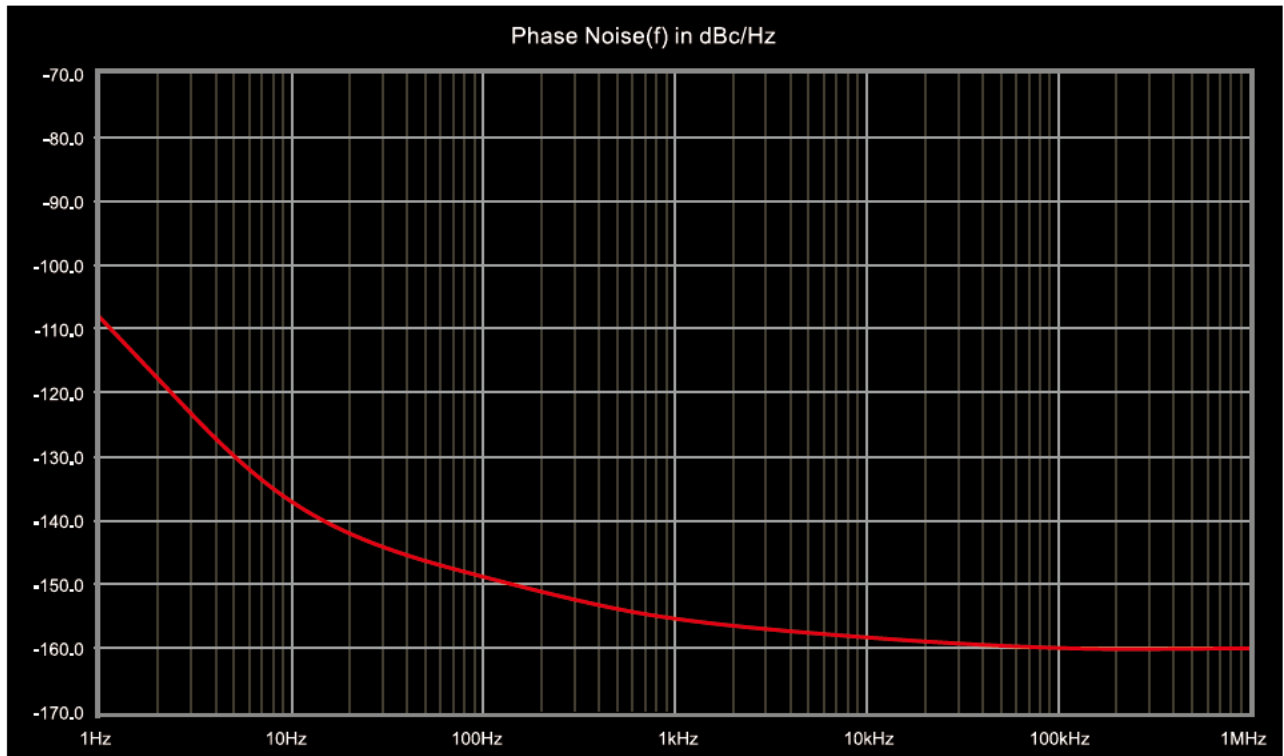
1. Normal functioning: 0°C-50°C
2. Recommended: 15°C-35°C

11. Dimensions:

1. 288 Wx211 Dx63 H(mm)

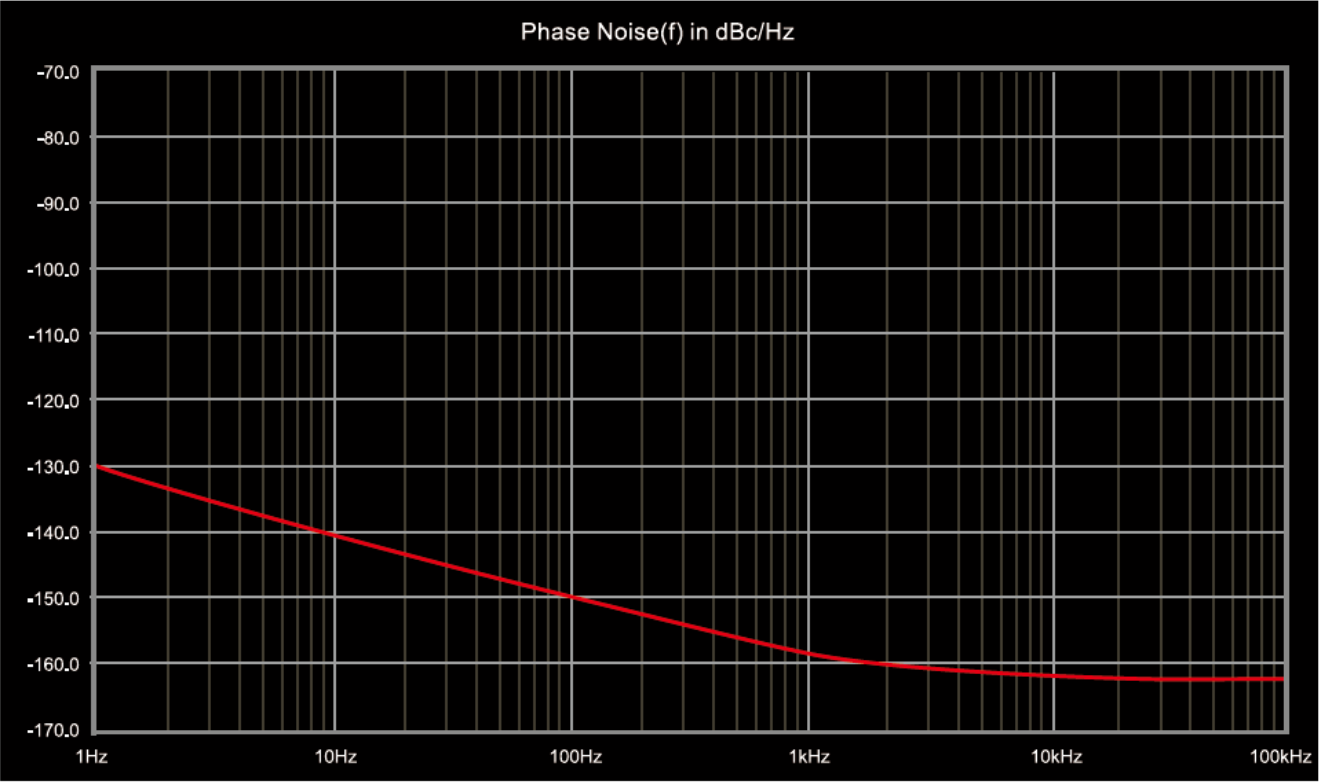
Phase Noise (10MHz TYP)

1Hz-100kHz bandwidth



Phase Noise (384kHz TYP)

1Hz-100kHz bandwidth



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Documents / Resources



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S1c Audio Clock, S1c, Audio Clock, Clock

References

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