aune

S1c Audio Clock

User Manual

Preface

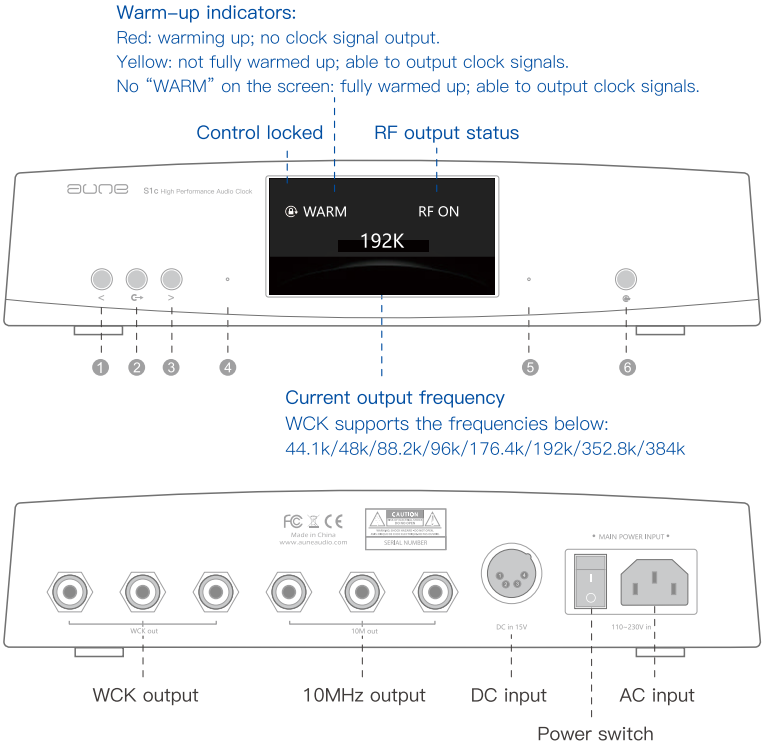
Dear Customers:

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



※ 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).

1. **Frequency down**
   Change the frequency to the next lower one
2. **RF output switch**
   Enable/disable RF output
3. **Frequency up**
   Change the frequency to the next higher one
4. **Output status indicator light**
   When the output is disabled, the red light is on
5. **Screen off indicator light**
   When the screen is off, the green light is on
6. **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

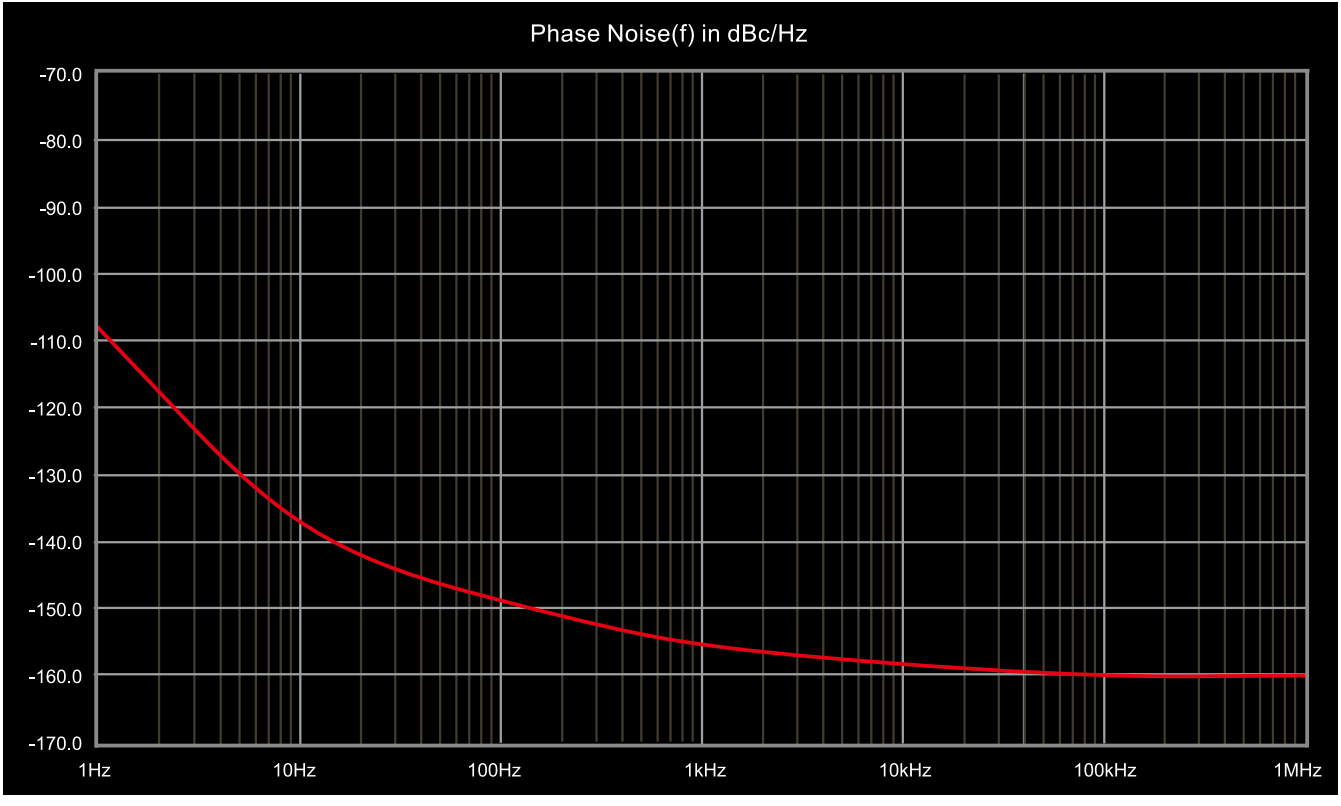
*DO NOT USE AC AND DC AT THE SAME TIME.

Specifications

Output Frequency	10MHz* 3 WCK(1-8Fs)* 3 (Fs=44.1kHz or 48kHz, i.e. MAX 352.8kHz or 384kHz)
Output Power	10MHz >7dBm(50Ω) WCK >7dBm(75Ω)
Output Waveform	Square wave
Rise Time	<2ns
Audio Stability	<5ppt
Phase Noise (10MHz)	<-100dBc @ 1Hz Offset <-130dBc @ 10Hz Offset <-140dBc @ 100Hz Offset <-150dBc @ 1kHz Offset < -158dBc @ above 10kHz Offset
Phase Jitter	<100Fs BW 10Hz-100kHz
Frequency Accuracy (factory)	<±0.02ppm
Warm-up Time	Basic warm-up: 5min Full warm-up: 60min
Ambient Temperature	Normal functioning: 0°C-50°C Recommended: 15°C-35°C
Dimensions:	288 Wx211 Dx63 H(mm)

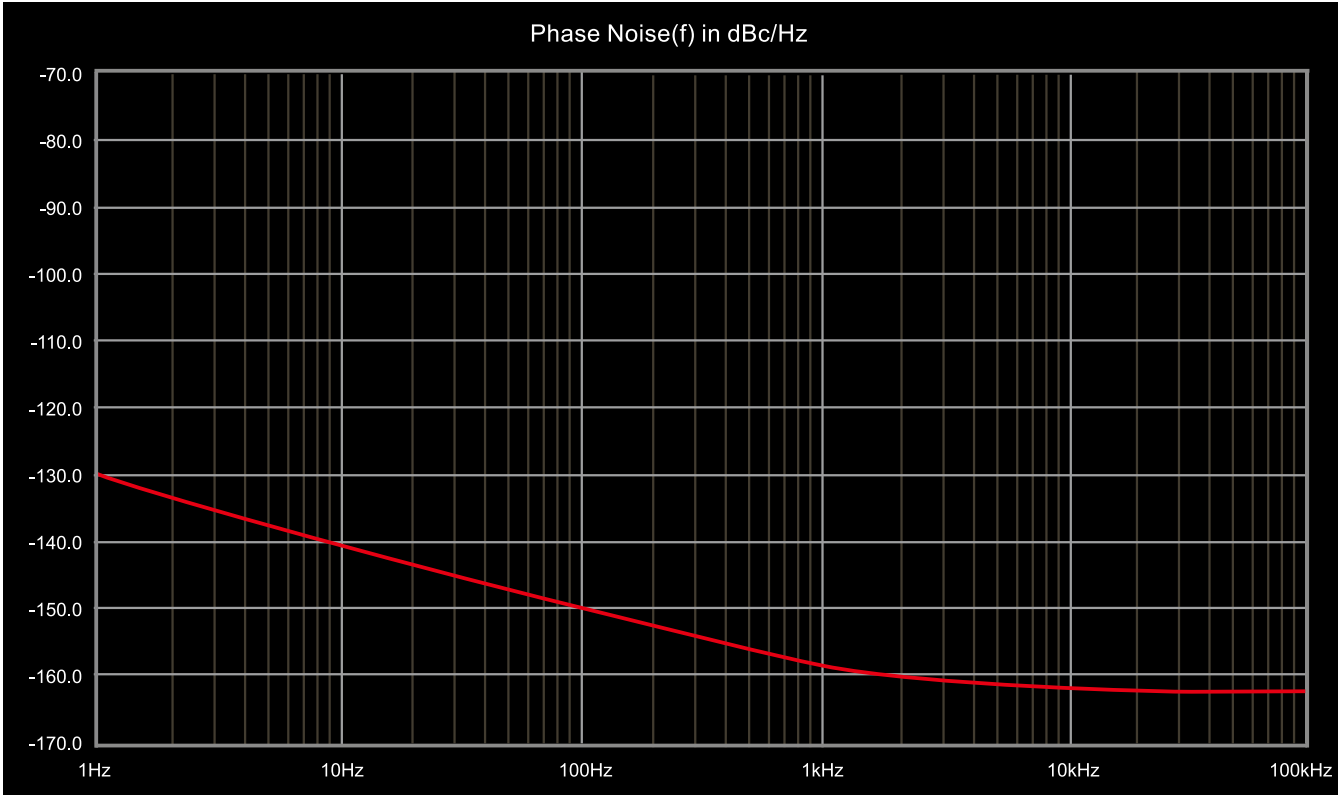
Phase Noise (10MHz TYP)

1Hz-100kHz bandwidth



Phase Noise (384kHz TYP)

1Hz-100kHz bandwidth



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