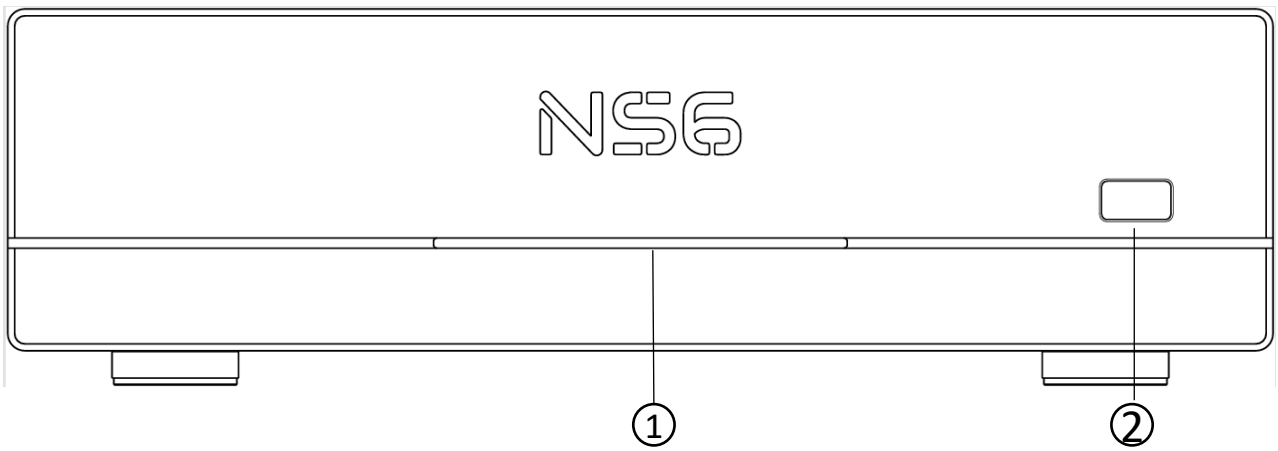
# NA6 Series Quick User Guide (V1.1)

## Hardware Specification

### Front Panel




NS6 Series front panel ports:

| | |
|---|---|
| 1 | Host Power-on Indicator Light |
| 2 | Host Switch |

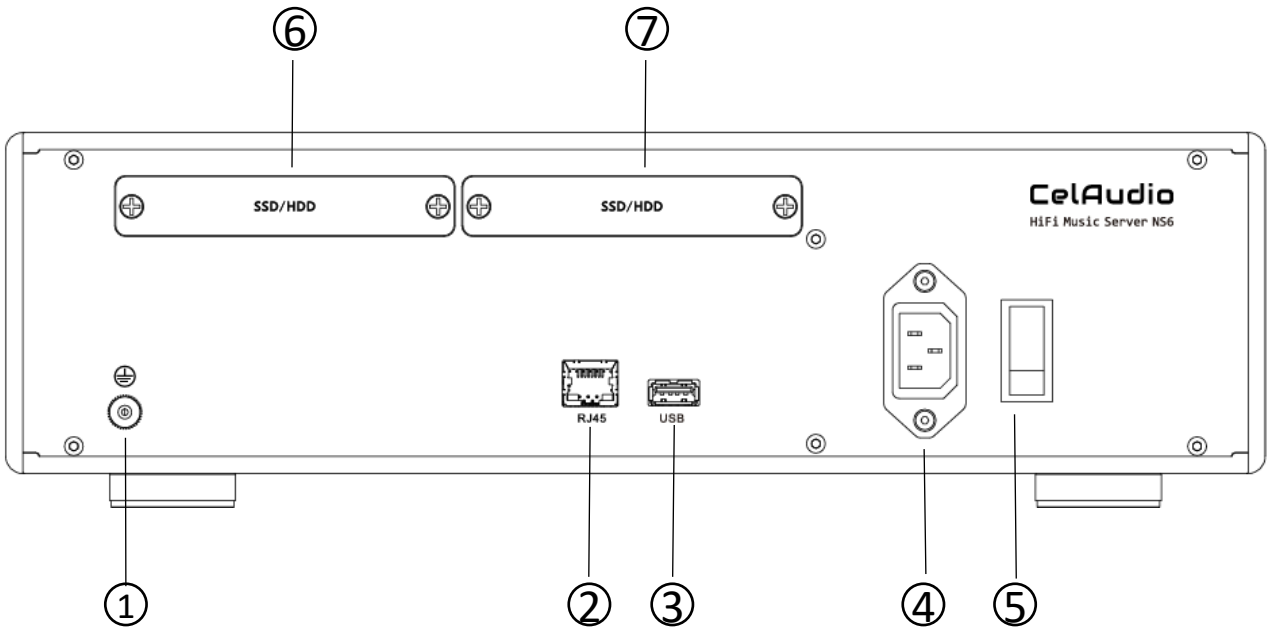
**Notes**

1. The Indicator Light and Host Switch on the front panel are only used to display and control whether the NS6/NS6U is powered on. The power supply status of the NS6U's digital/USB/clock card is independent of this Indicator Light and Switch. Only when the Device Power Switch on the rear panel is turned off will the power supply to the NS6U's digital/USB/clock card be cut off.

2. For NS6U, due to the power-off protection and corresponding timing control implemented in the clock system, short-term switching off/on of the Device Power Switch on the rear panel or momentary power loss followed by power restoration may result in the USB port not being detected. After each time the rear-panel Device Power Switch is turned off or a power loss occurs, you must wait 120 seconds before turning it on again to ensure the normal operation of NS6U. The Host Switch on the front panel can be used to shut down the host system at any time, and this will not affect the clock system.

3. For the NS6U, the USB chip firmware of the digital/USB/clock card is loaded each time the Device Power Switch is turned on and the system is started for the first time (the main purpose is to continuously optimize the USB working mode through software upgrades in the future to provide better sound). After the software is loaded successfully, the system will restart automatically, and the USB will enter the normal working state only after the restart. When the Device Power Switch is turned off, the firmware of the USB card disappears automatically. Therefore, the first time the NS6U is turned off and then turned on again via the rear panel Device Power Switch, it will be relatively slow.

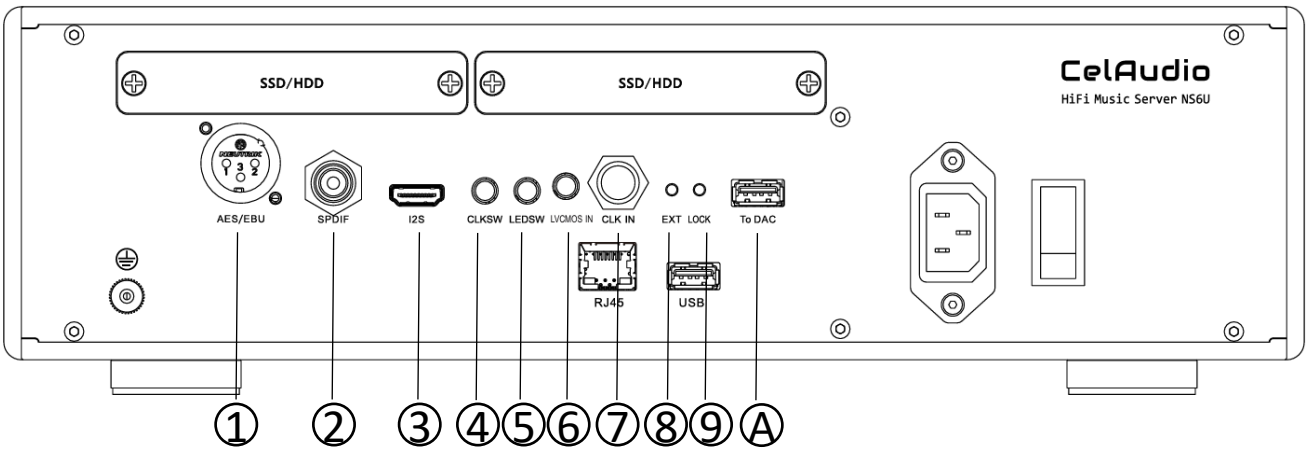
## Rear Panel （Shared Ports）




NS6 Series rear panel ports(shared ports)：

| | |
|---|---|
| 1 | Digital Ground |
| 2 | 10/100/1000M RJ45 Network Port |
| 3 | Onboard USB Output Port:<br>• For NS6: Connect to DAC<br>• For NS6U: not recommended for use |
| 4 | AC Power Socket |
| 5 | Device Power Switch |
| 6 | SSD/HDD Bay 2 |
| 7 | SSD/HDD Bay 1 |

## Rear Panel （NS6U digital/USB/clock card）




NS6U digital/USB/clock card ports:

| | |
|---|---|
| 1 | AES Port |
| 2 | SPDIF Port |
| 3 | I2s Port |
| 4 | External Clock Input Switch. Pop out to select SMA input; press in to select BNC input |
| 5 | Clock Indicator Switch. Pop out to turn off the indicator; press in for normal clock indicator display |
| 6 | SMA Clock Input. Only supports 10MHz LVCMOS signal |
| 7 | BNC Clock Input，50Ω，10MHz，≥0.6V RMS |
| 8 | External Clock Input Indicator. Light on for BNC input; light off for SMA input |
| 9 | External Clock Input Lock Indicator. Light on for successful lock; light off when external clock is unlocked. |
| A | USB 2.0, recommended for DAC connection |

# Software Introduction

The NS6 series software comprises two main components. To ensure you always have access to the latest software instructions, please download the online documentation yourself.

**Host OS Control:**
It is mainly used to manage the host operation, such as initializing disks and enabling the NAS function. The operation manual for this part can be downloaded from the following URL or from the group files of the official technical support QQ group.

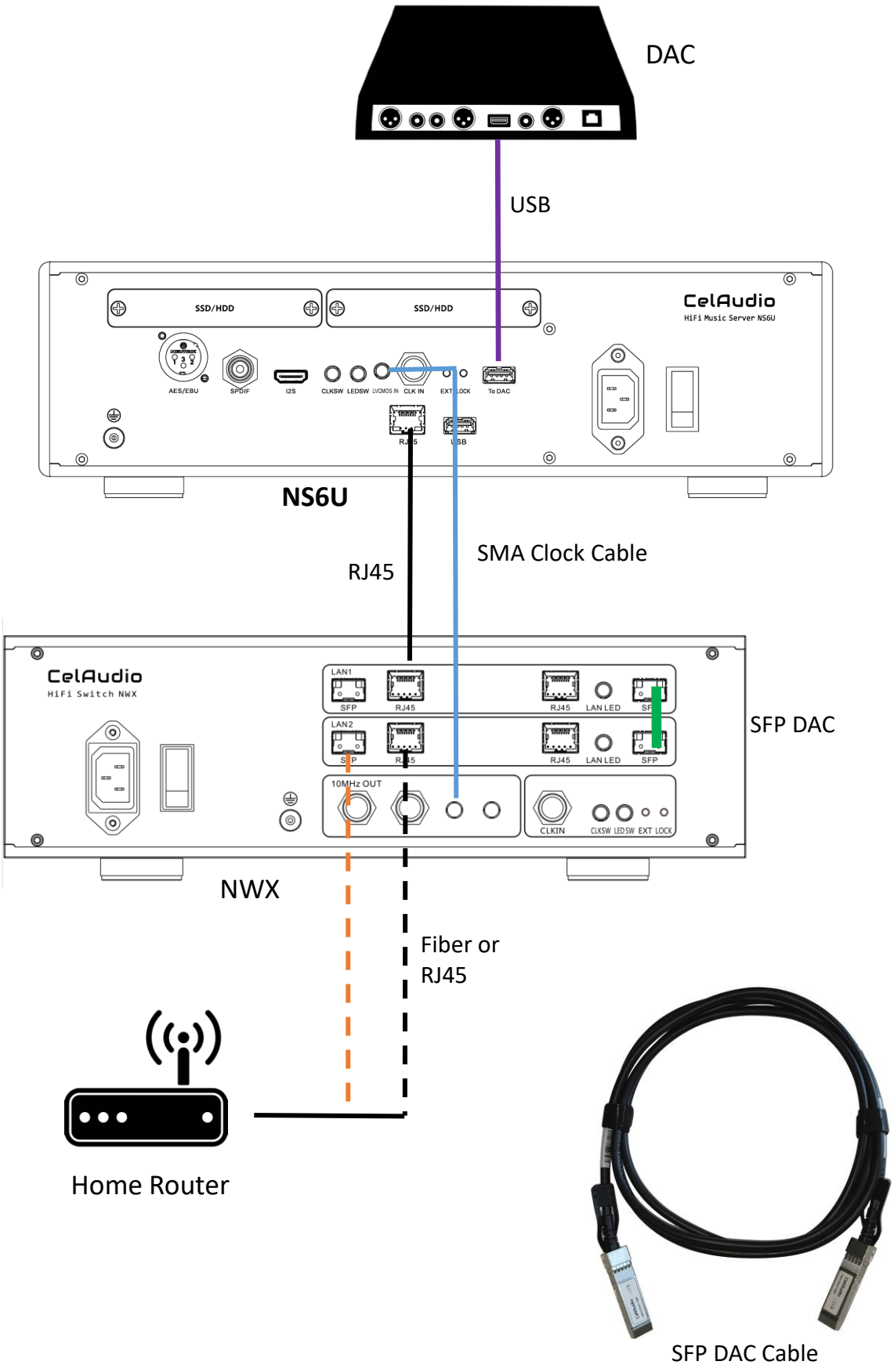
http://www.celaudio.com/documents/celmusperos/celmusperos_latest.pdf

**Music Playback Software Operation:**
It is mainly used for managing and playing music. Due to its relatively complex operation method, which is not easy to demonstrate through text and images, please refer to the tutorial videos under the official CelAudio account on the Bilibili video website. The videos can also be downloaded and viewed in the official technical support QQ group.

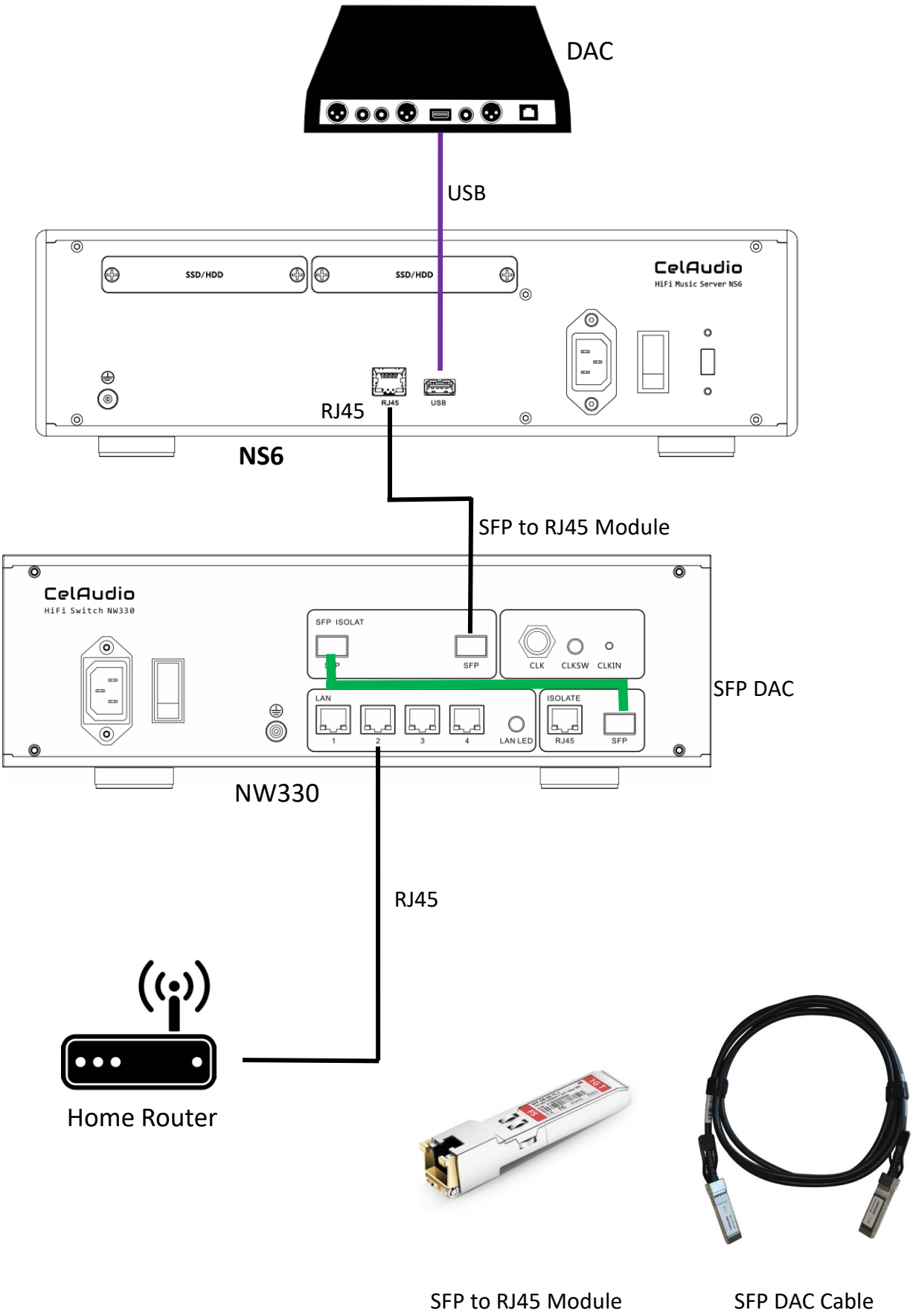
https://www.bilibili.com/video/BV18e4y147Fp/?spm_id_from=333.999.0.0

**Official Technical Support QQ Group**： 738178085

# Typical Device Connection（NS6U）



## Typical Device Connection （NS6）






SFP to RJ45 Module



SFP DAC Cable