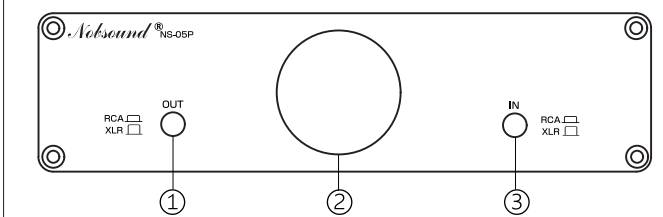
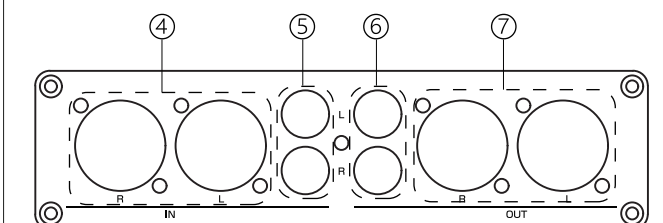
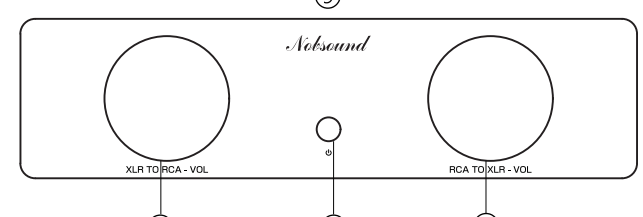
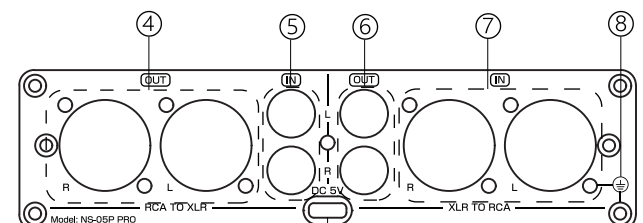


### NS-05P Front and Rear Panels



- ① Output Switch  
Pushed in: RCA output  
Popped out: XLR output
- ② Volume Knob
- ③ Input Switch  
Pushed in: RCA input  
Popped out: XLR input
- ④ XLR Input
- ⑤ RCA Input
- ⑥ RCA Output
- ⑦ XLR Output

### NS-05P PRO Front and Rear Panels



- ① Volume Knob (XLR Input → RCA Output)
  - ② Power Button  
Short press: Power on  
Long press: Power off
  - ③ Volume Knob (RCA Input → XLR Output)
  - ④ XLR Output
  - ⑤ RCA Input
  - ⑥ RCA Output
  - ⑦ XLR Input
  - ⑧ GND Terminal
  - ⑨ Type-C Power Interface (DC 5V ≥ 1A)
- Note: The NS-05P PRO supports two independent signal conversions: RCA IN → XLR OUT and XLR IN → RCA OUT, which can operate simultaneously. Same-format connections (RCA IN → RCA OUT or XLR IN → XLR OUT) are not supported.

### Introduction

The NS-05P/NS-05P PRO is designed by Nobsound for seamless RCA and XLR conversion in Hi-Fi audio setup.

- NS-05P: Passive design that requires no external power, with input/output switch for quick operation, also with a volume knob to control the output.
- NS-05P PRO: Active design with fully independent dual-path conversion, RCA to XLR and XLR to RCA, each with its own volume control for precise adjustment.

Both models feature an aluminum enclosure that ensures effective shielding and compact size ideal for desktop use.

### Operation Steps

1. Connect back-end device such as a mixer, amplifier, active speaker etc. to the XLR / RCA output of the NS-05P / NS-05P PRO.
2. Connect audio source or DAC, preamp, processor to the XLR / RCA input of the NS-05P / NS-05P PRO.  
Note: The NS-05P PRO does not support RCA-to-RCA or XLR-to-XLR connections.
3. For NS-05P, please short press the Input and Output Switch buttons to select the desired input / output.
4. For NS-05P PRO, connect the supplied DC 5V2A power adapter to the NS-05P PRO, then short press the power button to turn it on.
5. Rotate the volume knob of the NS-05P or the two separate volume knobs of the NS-05P PRO clockwise to turn up the output volume according to your preferences and enjoy music.
6. After use, for NS-05P PRO, please long press the power button to power off, then disconnect the power adapter.

### Parameters

Model	NS-05P	NS-05P PRO
Brand	Nobsound	
Audio input	RCA / XLR	
Audio output	RCA / XLR	
Work modes	RCA IN → XLR OUT XLR IN → RCA OUT XLR IN → XLR OUT	RCA IN → XLR OUT XLR IN → RCA OUT
Power required	NO	YES
Gain	/	XLR → RCA: 5dB RCA → XLR: 0dB
THD+N	/	0.008%
THD	/	0.00007%
SNR	/	> 89dB
Channel balance (L/R)	/	< 0.01dB
Frequency response	/	20Hz – 20KHz
Input impedance	50KΩ	20KΩ
Output impedance	/	100Ω
RCA output level	/	2Vrms (max)
Separate volume control	NO	Supported
Input voltage	/	DC 5V (≥ 1A)
Power interface	/	USB Type-C
Dimensions (W*D*H)	154*70*52mm / 6.06*2.76*2.05in	154*68*42mm / 6.06*2.67*1.65in
Net weight	415g / 0.91lb	510g / 1.12lb
Package weight	600g / 1.32lb	570g / 1.25lb

### FAQ

#### NS-05P FAQs

- Q: Does the RCA-to-XLR conversion on the NS-05P provide a true balanced signal?  
A: No. Although the XLR connector is used, the signal remains unbalanced. This type of conversion does not provide true differential signaling or

common-mode noise rejection. It's a convenience interface, not a professional balanced output.

- Q: Does the NS-05P support simultaneous output via both RCA and XLR?  
A: No. The NS-05P supports only one input and one output at a time. Please use the front-panel switches to select the active input and output. Simultaneous output is not supported.

- Q: Does the NS-05P add any gain when I turn the volume to the max?  
A: No. When the volume knob is turned to the maximum, the NS-05P does not apply extra gain. The signal is passed through at its original level.

#### NS-05P PRO FAQs

- Q: Is the RCA-to-XLR conversion on the NS-05P PRO a true balanced output?  
A: Yes. The NS-05P PRO features a fully differential design, delivering a true balanced signal when converting from RCA to XLR.

- Q: Can the NS-05P PRO operate both RCA-to-XLR and XLR-to-RCA paths simultaneously?  
A: Yes. The two signal paths are fully independent, allowing both conversions to function at the same time without interference.

- Q: Why is the NS-05P PRO not working?  
A: 1. The NS-05P PRO is an active converter and requires a DC 5V (≥ 1A) power supply to function properly. Please check if the power adapter work well.  
2. Please ensure the RCA and XLR ports are connected correctly:  
Left half: RCA input → XLR output;  
Right half: XLR input → RCA output.  
The NS-05P PRO does not support RCA-to-RCA or XLR-to-XLR connections. Incorrect connections will result in no signal output.

- Q: Why does the output volume of NS-05P PRO differ in RCA-to-XLR and XLR-to-RCA modes?  
A: When the volume knob is turned to maximum, XLR-to-RCA mode provides

the maximum gain of +5dB, resulting in a louder output. In RCA-to-XLR mode, the maximum gain is 0 dB.

- Q: What should I do if I hear hum or background noise when using the NS-05P PRO?  
A: Please use a wire to connect the GND on the NS-05P PRO to a real earth ground or to the metal chassis of another equipment. If the issue persists, please contact us for further assistance.

#### Converter/Preamp FAQs

- Q: Is there anything I should be aware of before plugging or unplugging audio cables?  
A: To avoid loud pops and potential damage, it's recommended to power off the NS-05P PRO and all connected devices, and turn down the volume before plugging or unplugging any audio cables.

- Q: Why is there a loud buzzing or humming noise from the speaker?  
A: This may be caused by using an unshielded signal cable when no source is connected, allowing interference to enter the NS-05P / NS-05P PRO. Please use a shielded signal cable or unplug the cable when not in use.

- Q: Why is the sound distorted?  
A: Distortion may occur if the signal level is too high. Please reduce the volume of the audio source, the NS-05P / NS-05P PRO, or the connected amplifier to ensure the signal remains within optimal range.

- Q: Why does the volume of different audio sources (such as changing CD player to phone) differ when the volume of the NS-05P / NS-05P PRO is unchanged?  
A: Different audio devices can output different signal amplitudes, for example, the phone usually outputs 0.35V, while CD player outputs 1V.

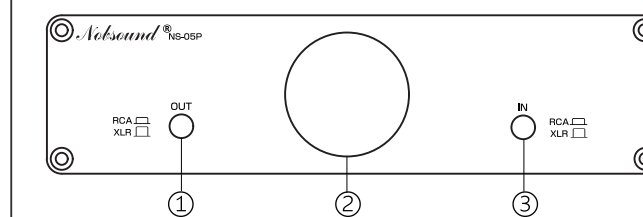
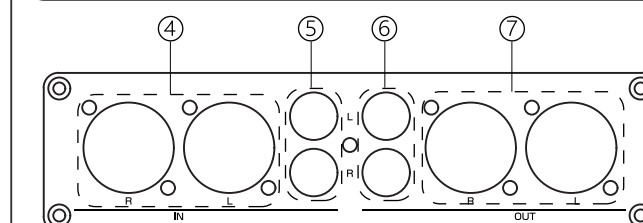
- Q: Why is there a thumping sound when switching on/off?  
A: Please confirm the on-off sequence is correct, normally it follows the order of signal transmission when turning on: audio source → preamp / DAC → amplifier → speaker. (The sequence is reversed when switching off.)

As the internal capacitors will be discharged for a while after shutdown. If turning off the preamp firstly and then turning off amplifier, impact sound will be easily caused which may damage the amplifier or speaker in severe cases.)

### Contact Information

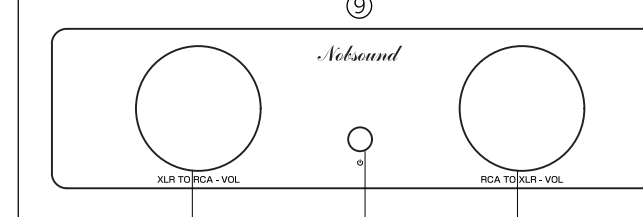
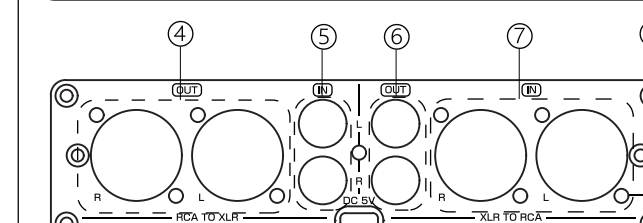
- Website: [www.doukaudio.com](http://www.doukaudio.com)
- Email: [nobsound@doukaudio.com](mailto:nobsound@doukaudio.com)
- WeChat/Whatsapp: +86-17704028602
- Address: Room A304, Chunenghui, Digital Economy Industrial Base, No. 9, Baoye Road, Guanhu Street, Longhua District, Shenzhen, Guangdong

### NS-05P 前面パネルと背面パネル



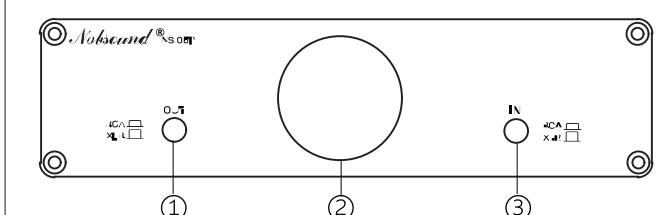
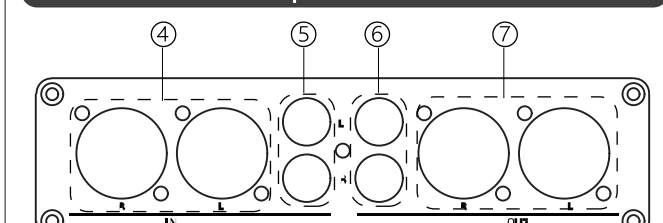
- ① 出力スイッチ  
押し込む: RCA出力  
引き出す: XLR出力
- ② ボリュームノブ
- ③ 入力スイッチ  
押し込む: RCA入力  
引き出す: XLR入力
- ④ XLR入力
- ⑤ RCA入力
- ⑥ RCA出力
- ⑦ XLR出力

### NS-05P PRO 前面パネルと背面パネル



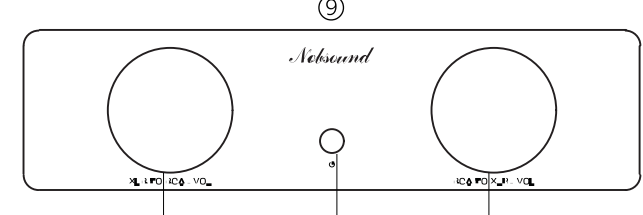
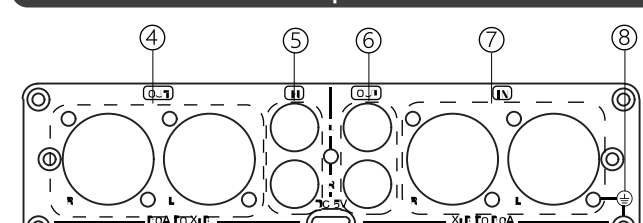
- ① ボリュームノブ (XLR入力→RCA出力)
  - ② 電源ボタン  
短押し: 電源オン  
長押し: 電源オフ
  - ③ ボリュームノブ (RCA入力→XLR出力)
  - ④ XLR出力
  - ⑤ RCA入力
  - ⑥ RCA出力
  - ⑦ XLR入力
  - ⑧ GND端子
  - ⑨ Type-C電源インターフェース (DC 5V ≥ 1A)
- 注: NS-05P PROは2つの独立した信号変換をサポートします: RCA IN → XLR OUTおよびXLR IN → RCA OUT. これらは同時に操作可能です. 同形式の接続 (RCA IN → RCA OUTまたはXLR IN → XLR OUT) はサポートされません.

### NS-05P Front- und Rückplatten



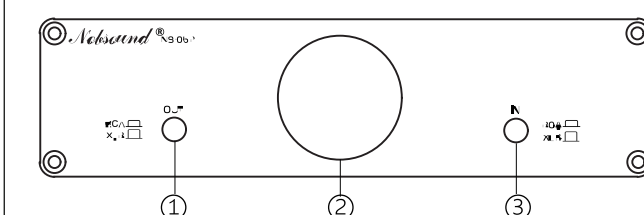
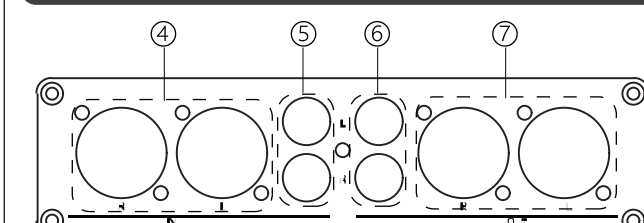
- ① Ausgangsschalter  
Eingedrückt: RCA-Ausgang  
Herausgezogen: XLR-Ausgang
- ② Lautstärkeregler
- ③ Eingangsschalter  
Eingedrückt: RCA-Eingang  
Herausgezogen: XLR-Eingang
- ④ XLR-Eingang
- ⑤ RCA-Eingang
- ⑥ RCA-Ausgang
- ⑦ XLR-Ausgang

### NS-05P PRO Front- und Rückplatten



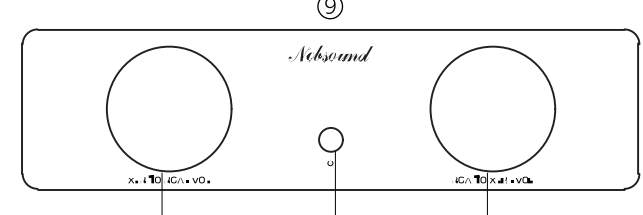
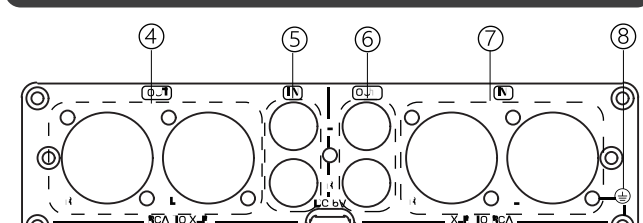
- ① Lautstärkeregler (XLR-Eingang → RCA-Ausgang)
  - ② Netzschalter  
Kurz drücken: Einschalten  
Lang drücken: Ausschalten
  - ③ Lautstärkeregler (RCA-Eingang → XLR-Ausgang)
  - ④ XLR-Ausgang
  - ⑤ RCA-Eingang
  - ⑥ Sortie RCA
  - ⑦ XLR-Eingang
  - ⑧ GND-Anschluss
  - ⑨ Type-C Stromschnittstelle (DC 5V ≥ 1A)
- Hinweis: Der NS-05P PRO unterstützt zwei unabhängige Signalumwandlungen: RCA IN → XLR OUT und XLR IN → RCA OUT, die gleichzeitig betrieben werden können. Verbindungen desselben Formats (RCA IN → RCA OUT oder XLR IN → XLR OUT) werden nicht unterstützt.

### NS-05P Panneaux avant et arrière



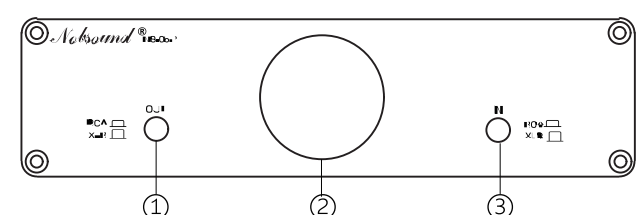
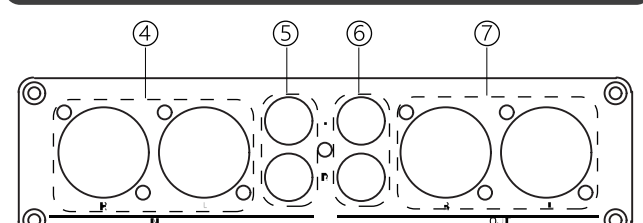
- ① Commutateur de sortie  
Enfoncé : sortie RCA  
Tiré : sortie XLR
- ② Bouton de volume
- ③ Commutateur d'entrée  
Enfoncé : entrée RCA  
Tiré : entrée XLR
- ④ Entrée XLR
- ⑤ Entrée RCA
- ⑥ Sortie RCA
- ⑦ Sortie XLR

### NS-05P PRO Panneaux avant et arrière



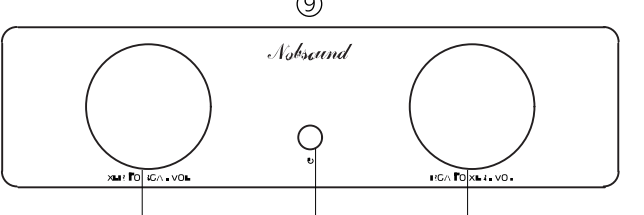
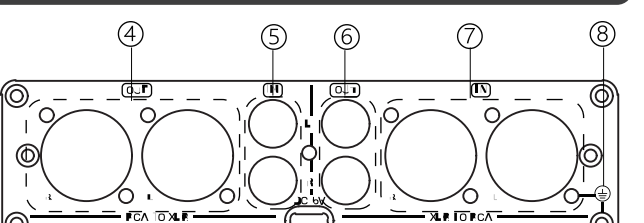
- ① Bouton de volume (Entrée XLR → Sortie RCA)
  - ② Bouton d'alimentation  
Appui court : Allumer  
Appui long : Éteindre
  - ③ Bouton de volume (Entrée RCA → Sortie XLR)
  - ④ Sortie XLR
  - ⑤ Entrée RCA
  - ⑥ Sortie RCA
  - ⑦ Entrée XLR
  - ⑧ Bornier GND
  - ⑨ Interface d'alimentation Type-C (DC 5V ≥ 1A)
- Remarque: Le NS-05P PRO prend en charge deux conversions de signal indépendantes : RCA IN → XLR OUT et XLR IN → RCA OUT, qui peuvent fonctionner simultanément. Les connexions du même format (RCA IN → RCA OUT ou XLR IN → XLR OUT) ne sont pas prises en charge.

### NS-05P Panneaux avant et arrière



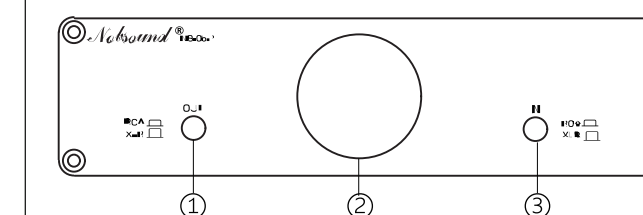
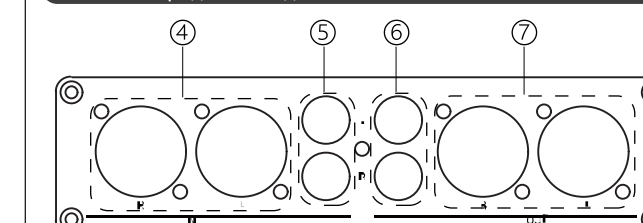
- ① Commutateur de sortie  
Enfoncé : sortie RCA  
Tiré : sortie XLR
- ② Bouton de volume
- ③ Commutateur d'entrée  
Enfoncé : entrée RCA  
Tiré : entrée XLR
- ④ Entrée XLR
- ⑤ Entrée RCA
- ⑥ Sortie RCA
- ⑦ Sortie XLR

### NS-05P PRO Panneaux avant et arrière



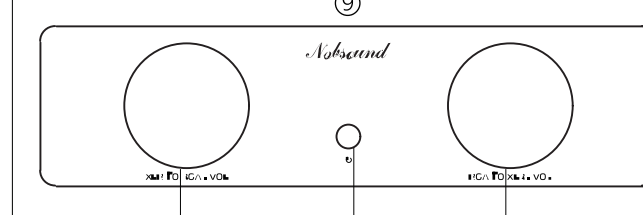
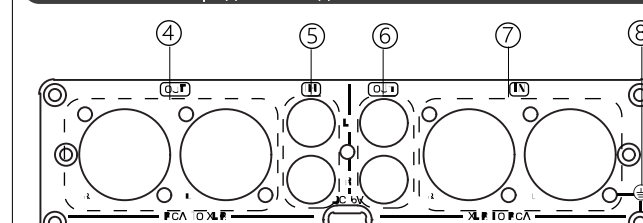
- ① Bouton de volume (Entrée XLR → Sortie RCA)
  - ② Bouton d'alimentation  
Appui court : Allumer  
Appui long : Éteindre
  - ③ Bouton de volume (Entrée RCA → Sortie XLR)
  - ④ Sortie XLR
  - ⑤ Entrée RCA
  - ⑥ Sortie RCA
  - ⑦ Entrée XLR
  - ⑧ Bornier GND
  - ⑨ Interfaccia di alimentazione Type-C (DC 5V ≥ 1A)
- Remarque: Le NS-05P PRO prend en charge deux conversions de signal indépendantes : RCA IN → XLR OUT et XLR IN → RCA OUT, qui peuvent fonctionner simultanément. Les connexions du même format (RCA IN → RCA OUT ou XLR IN → XLR OUT) ne sont pas prises en charge.

### NS-05P Передняя и задняя панели



- ① Переключатель выхода  
Вдавлен: выход RCA  
Вынут: выход XLR
- ② Ручка громкости
- ③ Переключатель входа  
Вдавлен: вход RCA  
Вынут: вход XLR
- ④ Вход XLR
- ⑤ Вход RCA
- ⑥ Выход RCA
- ⑦ Выход XLR

### NS-05P PRO Передняя и задняя панели



- ① Ручка громкости (XLR вход → RCA выход)
  - ② Кнопка питания  
Короткое нажатие: Включение  
Долгое нажатие: Выключение
  - ③ Ручка громкости (RCA вход → XLR выход)
  - ④ XLR выход
  - ⑤ RCA вход
  - ⑥ RCA выход
  - ⑦ XLR вход
  - ⑧ Клемма GND
  - ⑨ Интерфейс питания Type-C (DC 5V ≥ 1A)
- Примечание: NS-05P PRO поддерживает два независимых преобразования сигнала: RCA IN → XLR OUT и XLR IN → RCA OUT, которые могут работать одновременно. Подключения одинакового формата (RCA IN → RCA OUT или XLR IN → XLR OUT) не поддерживаются.

