



OWNER'S MANUAL 986 PRE AMPLIFIER





Dear Audiophile,

Thank you for choosing Xanghe products. We sincerely appreciate your trust in us.

The device you have selected is engineered not only for outstanding sound quality and rigorous manufacturing, but also for technological innovation and operational flexibility.

To fully experience the capabilities of this exceptional audio component and to ensure optimal performance, we recommend reading this manual carefully before first use.

If you have any questions, please contact your local distributor or reach out to us directly.

Your Xanghe Team

Shenzhen Xanghe Audio and Electrical Appliances Co., Ltd., China

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CONTENTS

Section	Page
Unpacking and Setup	1
Front panel function description	2
Rear Panel Function Description.....	3
Connection Guide	4
Operation	5-6
Remote Control	7-8
General Information	9-10
Technical Specifications	11



UNPACKING AND SETUP

CAUTION: The unit is shipped with a plastic protective cover. Keep it away from children to avoid risk of suffocation.

Unpacking:

- Do not use sharp tools to open the box to avoid damaging the unit.
- Check that all items are present and undamaged.
- If anything is missing or damaged, do not connect the unit. Contact your dealer immediately.

The box contains:

- 1 × 986 Preamplifier
- 1 × Power cord
- 1 × 986 Remote Controller
- 1 × Owner's manual

Packaging: We recommend keeping the original packaging for future transport or storage.

Setup:

- Place the unit on a stable, level surface.
- Ensure adequate ventilation – do not block the cooling slots.
- Avoid direct sunlight, moisture, dust, and heat sources.
- Do not place heavy objects or containers with liquid on top of the unit.
- Allow at least 10 cm clearance around the unit for proper air circulation.



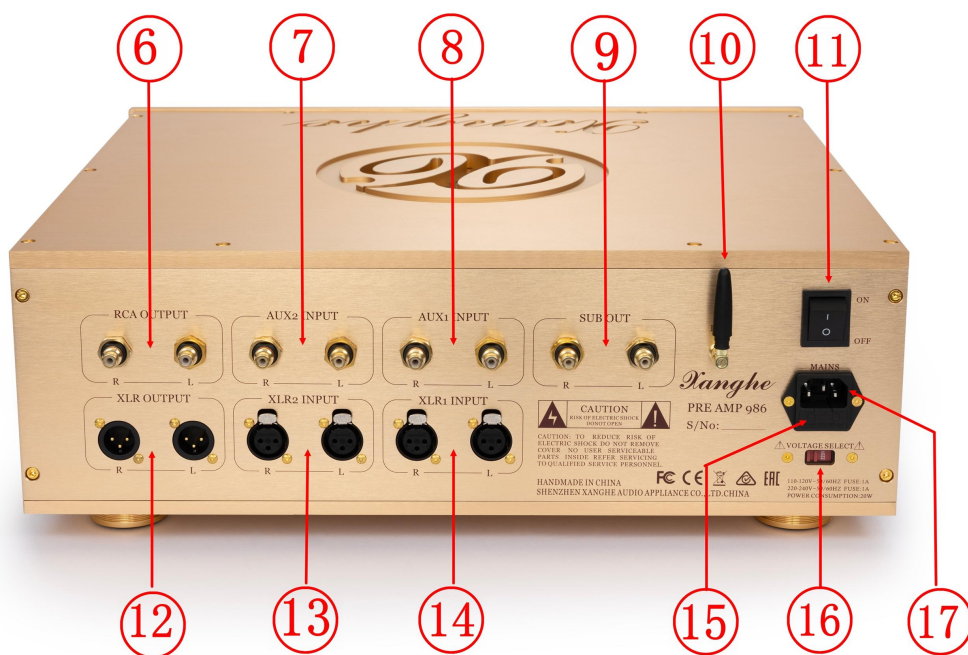
Front panel function description



- (1) Selection KnodInput selection, power on/standby
- (2) Power Indicator LED Show if powered
- (3) Remote Control Sensor.....Receives signals from remote
- (4) LED DisplayShows input, volume, and settings
- (5) Mode Knob.....Volume control, tone adjustment, EQ modes



Rear Panel Function Description



- (6) RCA Output.....Unbalanced stereo output
- (7) AUX2 Input..... Unbalanced stereo input
- (8) AUX1 Input.....Unbalanced stereo input
- (9) Subwoofer Output Unbalanced mono output for active subwoofer
- (10) Bluetooth Antenna For wireless audio streaming
- (11) AC Power Switch Main power on/off
- (12) XLR Output Balanced stereo output
- (13) XLR Input 2Balanced stereo input
- (14) XLR Input 1..... Balanced stereo input
- (15) Fuse Holder..... Contains main power fuse
- (16) Voltage Selector.....Set to match local mains voltage
- (17) AC Power Input..... Connect supplied power cord



Connection

All connection terminals are located on the rear panel. When connecting the preamplifier, all components of the music system must be turned off.

Warning: Before connecting the device, please check whether the input voltage of the 986 is equal to the local voltage of your wall socket. Make sure the ground wire of the power socket is working properly. Missing or faulty ground wires are extremely dangerous! If you have any questions, please contact a professional electrician.

AC power input: Before connecting the amplifier, please confirm that the AC voltage switching terminal (16) of the 986 is consistent with the local voltage of the wall socket. Please confirm that the AC power switch (11) has been turned off. Connect the power cord to the AC power input terminal (17) and plug it into the wall socket. The power input terminal is equipped with a fuse holder (15) for fixing the power fuse and providing surge and overload protection for the power amplifier.

Signal Inputs: To connect source components like CD-Player, FM-Tuner, Tape deck etc. the pre amplifier provides two balanced inputs (XLR), named XLR2 input (13) and XLR1 input (14), as well as two unbalanced inputs (RCA), named AUX2 input (7) and AUX1 input (8).

The pins for balanced input are defined as: PIN1= ground, PIN2= negative, PIN3= positive.

Preamplifier output: To connect power amplifiers or active speakers, the 986 preamplifier provides two sets of full-range output interfaces: XLR outputs (12) and RCA outputs (6), as well as a SUB OUT (9) low-frequency output interface specifically designed for subwoofers. These outputs deliver the signal from the selected input (CD, tuner, AUX, tape, or Bluetooth).

The pin definition for balanced outputs is as follows: PIN1 = Ground, PIN2 = Negative, PIN3 = Positive.



Operation control equipment

All operation controls except the AC power switch are located on the front panel. To operate this device, it must be connected to an AC power supply.

AC power switch: The AC power switch (11) is located on the rear panel. When set to 'OFF', the device will be completely powered down, and the LED indicator on the front panel will not light up. After switching to 'ON', the power LED (2) on the front panel will illuminate with a blue light.

Selection knob: Briefly press the selection knob (1) to turn on the LED display (4), and the 986 preamplifier enters the working state. In the working state, rotating the selection knob (1) allows switching between input signals AUX1, AUX2, XLR1, XLR2, and BLUE (Bluetooth®). Long-press the selection knob (1) for 3 seconds to turn off the LED display (4), and the 986 preamplifier enters standby mode.

BLUE(Bluetooth®) pairing

1. Device Name: "Xanghe 986"
2. As long as the same audio source device is connected to the 986 preamplifier, pairing only needs to be done once.
3. Activate and select Bluetooth ® on your audio source device (such as a smartphone, laptop, etc.), and then start scanning available Bluetooth ® devices. After a short while, "Xanghe 986" will be displayed on the screen of your audio source device.
4. On your audio source device, select "Pair" to connect to the 986 preamplifier.

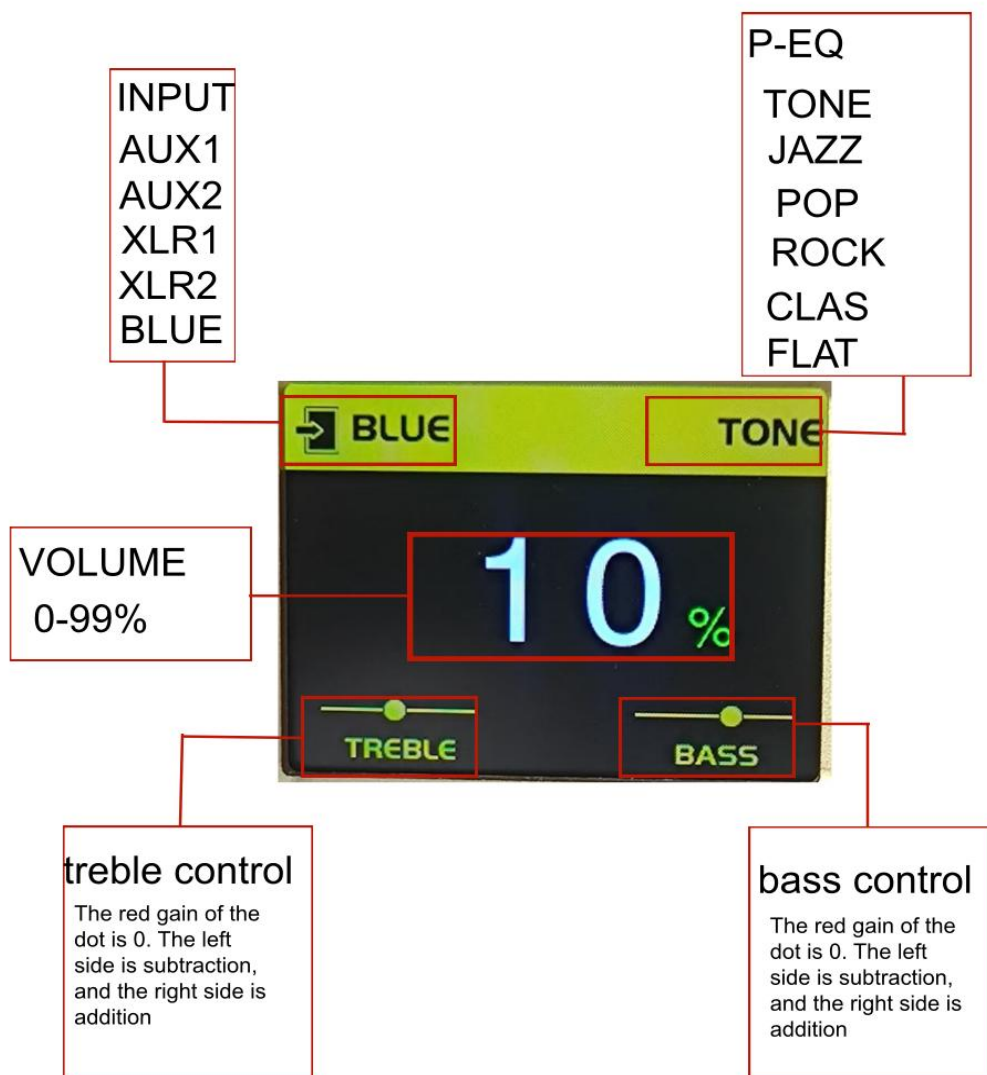
Attention! For older audio source devices, you may need to enter "0000" as the pairing password.

- Attention!** Some audio source devices may not be compatible.
5. Now, the 986 preamplifier can wirelessly play your music within a range of approximately 10 meters. Start playing on your audio source device.

Mode knob: Rotate the mode knob (5) clockwise to increase the volume. Turn the mode knob counterclockwise (5) to reduce the volume. Press the mode knob (5) briefly and then rotate it to adjust the treble/bass. Press and hold the mode knob (5) for 3 seconds to invoke the preset equalizer mode.



LED Display



P-EQ (Parametric Equalizer):

TONE – Pitch (Custom High/Low Tone Adjustment Mode)

JAZZ – Jazz Music Mode

POP – Pop Music Mode

ROCK – Rock Music Mode

CLASS – Classical Music Mode

FLAT – Direct Through Mode



Remote control



Battery Information:

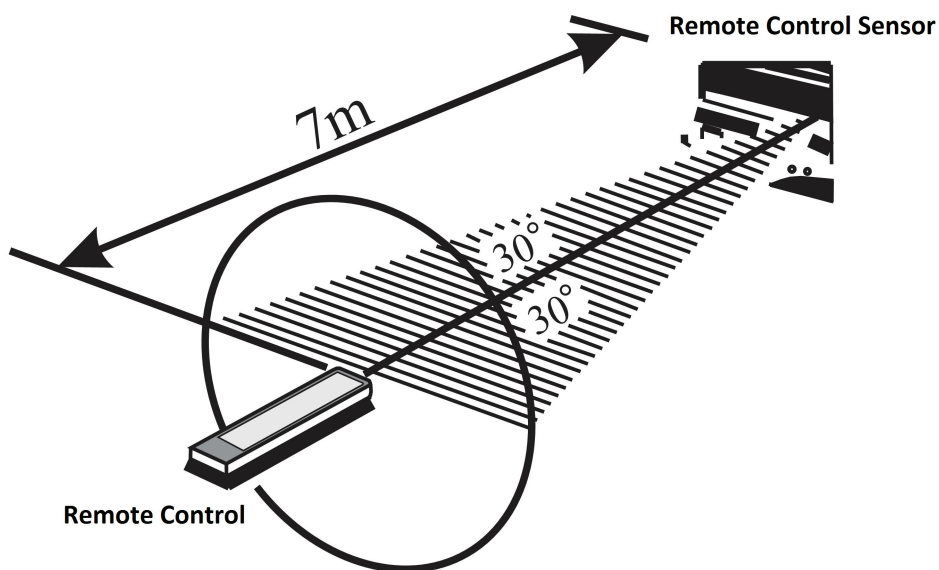
- Use only AAA alkaline batteries.
- Do not use rechargeable batteries.
- If the battery is installed incorrectly, it will not work..
- Remove battery if remote will not be used for extended periods.
- Keep batteries away from children.

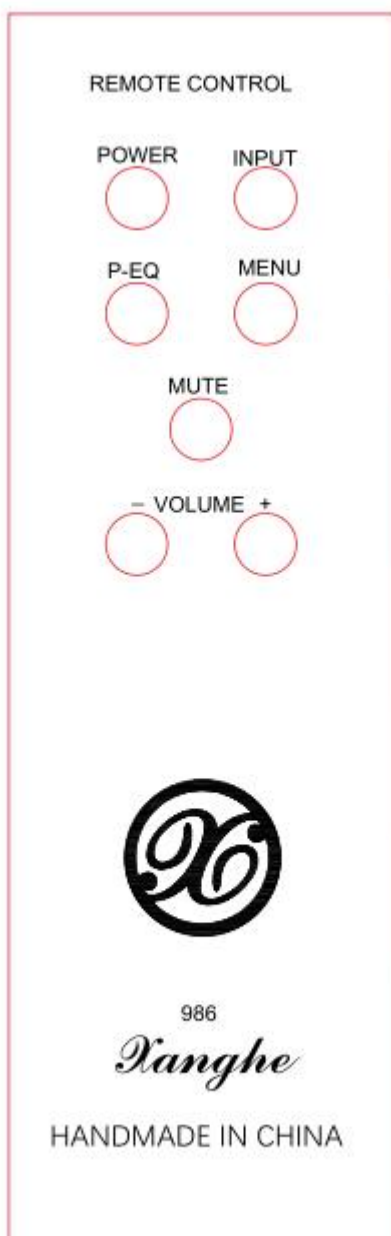
Operating range

Please aim the remote control at the sensor of the remote control for operation.

The maximum operating range of the remote control is within 5 meters of the 986 preamplifier and within 30 degrees of the sensor axis of the controller.

Attention! If the remote control sensor is exposed to direct sunlight or strong light, it may cause operational malfunctions.





The Xanghe 986 remote control is provided along with the 986 preamplifier. By definition, the remote control is marked with POWER , INPUT, P-EQ (preset equalizer), MENU, MUTE , VOLUME + and VOLUME - keys.

POWER : In standby mode, a short press will illuminate the LED display (4), and the 986 preamplifier will enter operational status. A long press for 3 seconds will extinguish the LED display (4), and the 986 preamplifier will enter standby mode.

INPUT: When the 986 preamplifier is in operation, pressing can switch between input signals AUX1, AUX2, XLR1, XLR2 and BLUE(Bluetooth®).

P-EQ (Preset Equalizer) : Press to invoke the preset equalizer mode when the 986 preamplifier is in operation.

MENU: High/low frequency adjustment options, then use VOLUME + and VOLUME-Key adjustment.

MUTE: Mute output/mute off.

VOLUME + and VOLUME - keys: Volume increase and decrease keys.



General Instructions

Terminals : The pins of the connecting terminals on the back panel should not be touched by fingers under any circumstances. Static discharges may damage the electronic circuitry inside the unit.

Reset: If the unit does not react when pressing the control keys on the front it may be reset to normal operation by switching it off and back on using the AC mains switch in the back.

Lightening strikes: During the summer months, malfunctions often occur due to voltage spikes in the power lines after lightning strikes. Completely unplugging the power cord offers the only effective protection. Merely switching the 986 off does not suffice since voltage spikes are able to arc over separated contacts.

Interconnects: We supply custom-made balanced as well as unbalanced interconnect cables and speaker cables of any length to ensure highest-quality signal paths for our components. The impedance of our cables is ideally matched to all Xanghe components. For the cleanest power supply we recommend our triple-shielded power cord Xanghe.

Setting up:

When choosing a place for your equipment please observe the following:

- Avoid direct sunlight.
- Do not expose the equipment to excessive heat, cold, humidity or dust.
- Provide adequate air circulation; avoid placing the equipment in enclosures.
- Slots and other openings in the housing are for ventilation. They must not be covered up.
- Please make sure that the component is not exposed to dripping water or splash water, also don't place boxes with liquid onto your component.
- Open flames like candles must not be placed on top of any electronic unit.

Power supply voltage: Before operating the device, please check if the power voltage setting (8) displayed on the backplane matches the voltage of your household power supply. Please only use the provided three pronged power cord. Under no circumstances should the grounding pin be bypassed for connection. This amplifier should only be connected to a wall socket with a fully functional grounding pin.

Communication operation: Before installation, turn off all other devices of the audio system. Only reopen after ensuring that all connections are correct and complete. Do not attempt to operate the device when it is visibly damaged or liquid has entered.



This symbol on the equipment points to important notes, which can be found in the owner's manual.



This symbol on or inside the equipment warns of dangerously high voltage.



If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal, which is not harmful to the environment.

CAUTION:

The unit must only be opened by qualified experts. Opening the unit provides the chance of encountering dangerously high voltage. Therefore the power cord must always be unplugged before opening the equipment.



TECHNICAL DATA

Frequency Response	20Hz to 20kHz +/-0.1dB
Distortion.....	<0.001% THD+N
Input Impedance.....	7.5k Ω RCA/Unbalanced 47k Ω XLR/Balanced
Output Impedance.....	10 Ω RCA/Unbalanced 20 Ω XLR/Balanced
Maximum Output Voltage.....	7V RMS RCA/Unbalanced 14V RMS XLR/Balanced
Power/Current Consumption	30W/0.3A maximum 7W/0.03A standby
Power Supply Voltage.....	100V-120V 50/60Hz 220V-240V 50/60Hz
Dimensions Width x Height x Depth	480x160x445mm
Weight	. kg

PLEASE NOTE: The dimensions do not include the space needed for plugs of interconnect cables.

The technical data and design of this product are subject to change without notice.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.