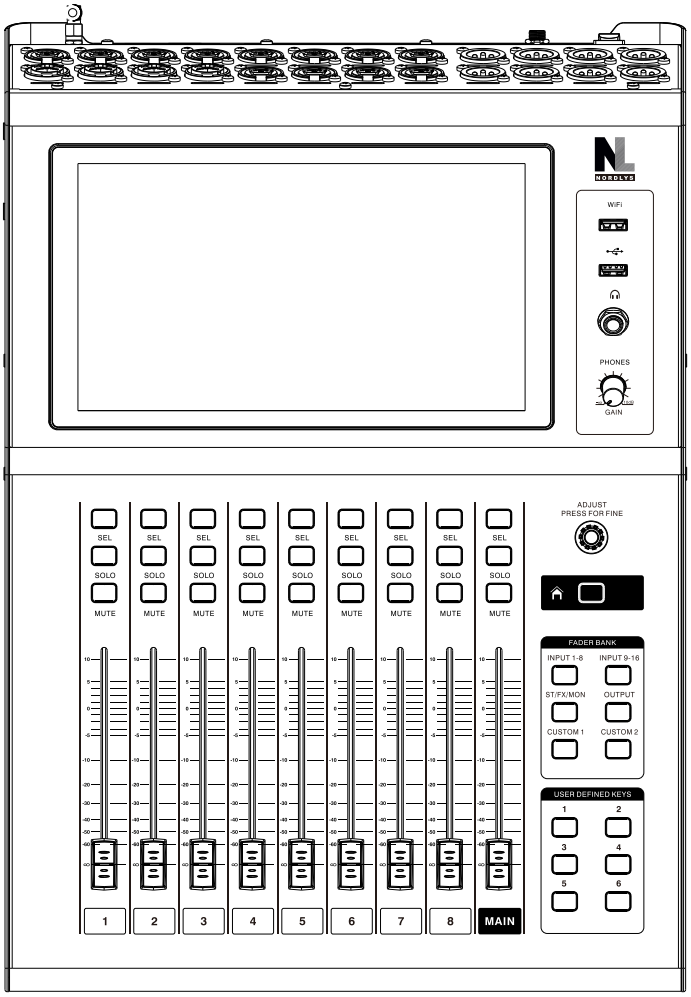
NORDLYS

USER MANUAL



www.nordlyslight.com

Symbol Description

Symbol description:

Danger:
Be alert to high levels of risks.

Warning:
Be alert to moderate risks.

Attention:
Provide helpful information other than danger or warning.

This series of products are professional equipment, the output connection mode and output voltage of the machine is different fromordinary civil equipment, in connection with the machine power supply or other equipment, must follow the instructions above the strict operation, otherwise there will be serious danger!

This series of products are professional equipment, there are high-voltage live equipment inside the machine, without adequate professional training and qualified personnel, do not try to open the machine modification or maintenance, that may be hit, therewill be life danger!

The equipment is only suitable for use in non-tropical climates

The equipment is only suitable for use in the areabelow 2000 meters above sea level

Don't throw it away, recycle it

This product is only suitablefor indoor use

Product safety earthing mark

Safety For Users

Before using the device, please read the instructions carefully and follow the warnings on operation and use. The instructions should be kept properly for future reference.

power supply: this device can only use the power supply type marked in the manual.

power cord protection: pay attention to avoid the power cord being pressed by heavy objects. Pay special attention to the power cord plug, outlet of the device and convenient socket. Do not pull or draw the power cord.

moisture at the water mouth: do not put it in a place close to the water source, such as bathtub, sink, kitchen sink, sink, wet basement, near the swimming pool, or you may be shocked.

Temperature: the device must be away from heat source.For example: radiators, heating resistors, various ovens and other heating devices (including amplifiers).

electric shock: care must be taken to prevent articles or water from falling into the inner core.There is a danger that falling into metal or other conductive material will cause an electric short circuit inside the device.

fire: do not place the vase or other containers containing liquid on the machine, or the liquid may flow into the machine and cause a short circuit and fire.

Cover plate disassembly: due to the high voltage machine memory, non-electronic professional technicians, do not disassemble the housing, if the internal electronic parts are abnormal contact, may occur serious electric shock accident.We accept no responsibility for this incident.

cleaning: do not use volatile solutions.Such as: alcohol, paint thinner, gasoline, volatile oil to wipe the shell, the use of clean dry cloth.

abnormal odor: when abnormal odor or smoke is found, immediately cut off the power supply and pull out the plug. Contact the supplier or the nearest maintenance department for maintenance services.

long-term idle:
A.For the sake of safety, please cut off the power switch and unplug the power in case of fire.
B.Prevent water, metal, inflammable or other foreign matter from falling into the machine to avoid electric shock and fire accident.In case of such accident, please cut off the power immediately and stop using.And contact our service center or shop for repair service.
Note:
A.Do not place the power plug under the machine or between other items;Do not set thepower connection device in a place with frequent personnel contact, so as to avoid electricshock or fire accidents caused by plug breakage.
B.The device disconnected from the power grid is a power plug, and the socket must be installed in a convenient operating position to ensure safe use.

use: please switch on and off the machine in a reasonable order;Power on: first open thefront stage, then open the amplifier;Power
off: turn off the amplifier first, then turn off the front stage.
Grounding device
such equipment, power plug must be connected to the earthing protection of the outputpower socket.

Warning:
Do not tuck cable or cords under the unit or between other objects.
Do not put the power cord in the crowd so as to avoid fire or electronicshock.

To Respectable Customers

Thank you for choosing this product!
To ensure the safety of you and the machine as well as the great
product effect, be sure to read this manual carefully before connecting or operating the machine.
Keep the manual properly stored for future reference.

Attention;
1) Please check if the bar code(Under the device) and parts are complete.
2) Will not within the warranty scope if not opened by designated service department,
3) Please save the package and parts.
4)To prevent the console from working abnormally due to unstablepower supply, firstly
please connect the adapter to the 24V DCjack of the console. Then tighten the DC plug and
the screws to ensure that the power cord does not fall off. Finally, power to the electrical adapter.

Contents

Features

This product is a multifunctional digital mixing console that runs on the Linux operating system, featuring a 10.1-inch large screen, 48KHz sampling rate, and 192KHz ADC and DAC converters. It is compact, lightweight, fully-featured, easy to operate with an intuitive interface, user-friendly, and responsive. Suitable for various scenarios such as bands, orchestras, conferences, recordings, podcasts, and more.

Features:

▼ 10.1" capacitive touchscreen with a resolution of 1280x800;
▼ 9 x 100mm faders;
▼ Total of 28 physical signal inputs, including 16 XLR microphone preamp analog input channels (including 4 COMBO interfaces), 8-channel USB sound card input, 1 stereo USB flash drive playback, and 1 stereo Bluetooth playback;
▼ Total of 20 physical signal outputs, including 8 XLR analog output channels, 8-channel USB sound card output, 1 TRS stereo headphone monitoring output, and 1 USB flash drive recording;
▼ 16 mono input buses and 3 stereo input buses, supporting user-customizable configuration of physical input ports to input buses;
▼ 11 mix buses, including 6 mono buses, 2 effects buses, 2 mono MTRX matrix output buses, and 1 stereo main output bus;
▼ Input channels support 48V phantom power switch, analog gain, digital gain, phase, 0-1000ms delay, pan/balance, volume, customizable channel labels, 4-band PEQ (PEQ/High shelf/Low shelf/LPF), HPF, Noise gate, Compressor, and more;
▼ Output channels support 0-1000ms delay, pan/balance, volume, customizable channel labels, 4-band PEQ (PEQ/High shelf selectable), HPF, LPF, 31-band GEQ, Compressor, and more;
▼ 2 x effects buses, including reverb, echo, chorus, wah, tremolo, distortion, pitch shift, and edge 8 effects, freely combinable;
▼ Built-in 8x8 sound card, supporting 8-track audio recording and playback;
▼ Input channels feature a gain finder function for quickly finding the optimal gain value;
▼ 4 x DCA groups and 6 x mute groups;
▼ Built-in real-time spectrum RTA function;
▼ Support for saving and loading scenes and effects libraries;
▼ Support for LAN and external USB wireless WiFi module connection, software control for iOS, Android, and PC;
▼ Support for panel lock to prevent accidental operation.

Quick Configuration

01. Turn on the console, wait for the device to start up, then press the INPUT1-8 and INPUT9-16 buttons on the panel. Push all input channel faders to the lowest position, as well as the main output fader. Wait for 5 seconds, then turn off the console and disconnect the power.

02. Connect the amplifier or powered speakers to the XLR outputs on the back of the console. By default, output 7 of the console connects to the left channel of the amplifier, and output 8 connects to the right channel.

03. Connect external sources like microphones or CD players to the console.

04. Turn on the power for external sources such as microphones or CD players, then turn on the console by pressing the power button, followed by turning on the power for the amplifier or powered speakers.

05. Double-click the channel strip you want to configure to enter the editing page and set up the input channel. Edit the channel name and color according to the signal source.

06. If using a condenser microphone or other devices that require power, turn on the 48V phantom power.

07. Set the physical faders of the input channels to 0dB, then adjust the gain parameter, ensuring that the channel level indicator is in the midrange.

08. Adjust the main fader until the audio system produces an appropriate sound level.

09. If the input signal contains unwanted low-frequency parts, use the EQ's low-cut function to remove the low frequencies.

10. Enhance or reduce specific frequency bands using the EQ according to the signal source's requirements, and control the dynamic range using the compressor.

11. Adjust the channel balance according to the final balance requirements.

12. To route input channels to different output buses, click the console icon on the input channel strip to enter the editing page. Enable the bus switch, pre/post fader send, and send volume. click the Effects button to enter the effects page to configure echo, reverb, chorus, wah, tremolo, distortion, pitch shift, edge, and signal source.

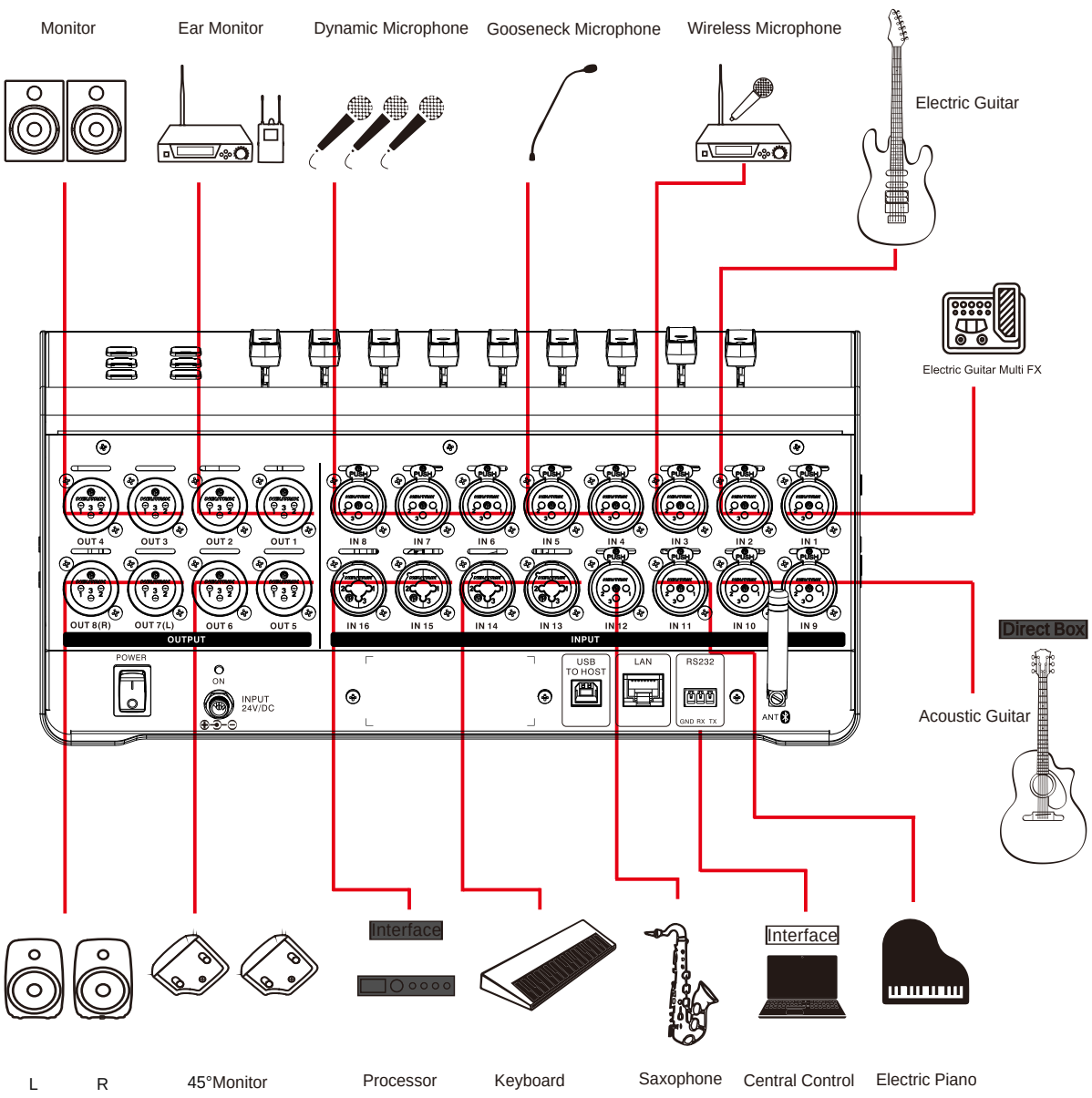
13. To route effects to different output buses, press the ST/FX/MON button on the panel to switch to the channel page, then click the FX1 or FX2 channel strip console icon to enter the editing page for configuration.

14. To route input buses to different physical input interfaces, configure this in the input patching page under system settings. For routing output buses to different physical output interfaces, configure this in the output patching page under system settings.

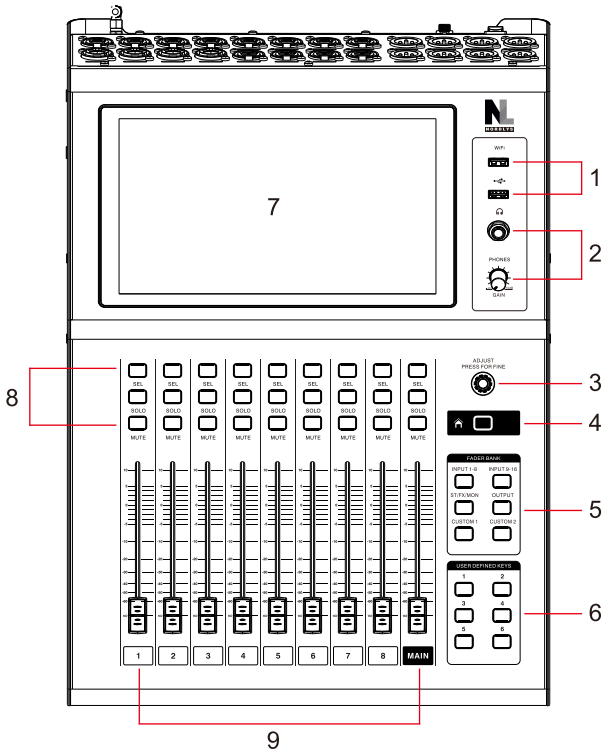
15. To adjust the volume of bus outputs, press the OUT1-8 button on the panel to enter the output layer page and adjust the output volume by moving the bus volume faders.

16. To configure USB (PB) or sound card (USB1-8) input channels, set this up in the input patching page under system settings and assign them to the required control channels.

Typical Connections



Front Panel



1. Connect the WiFi module for wireless network connection; USB: Connect a USB for multimedia recording/playback, scene import/export, and system updates.

2. Headphone: Connect headphone and adjust the headphone volume.

3. Parameter Adjustment: Used to adjust selected parameters.

4. Home Button: Used to navigate to the main page.

5. Layer Selection Button: Includes selection for six layers: "IN1-8," "IN9-16," "ST/FX/MON," "OUTPUT," "CUSTOM1," "CUSTOM2."

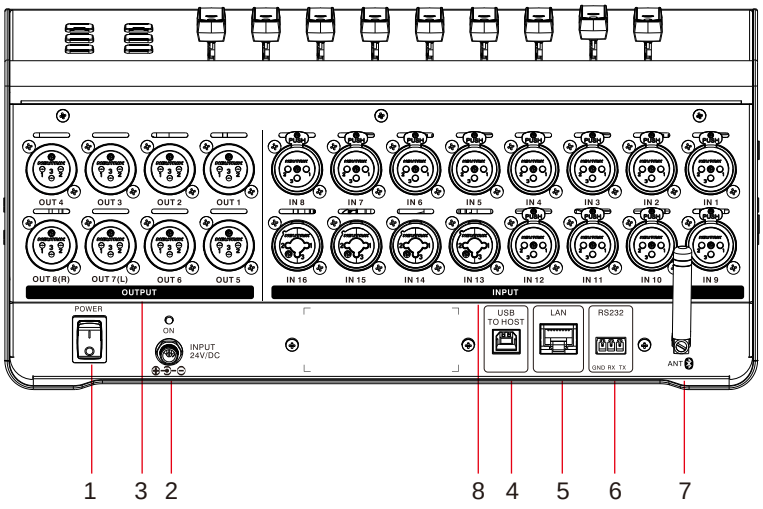
6. Custom Buttons: Includes selection for six custom buttons "1," "2," "3," "4," "5," "6." Custom button functions can be set up through the system settings page.

7. Display: Features a 10.1-inch HD touchscreen display.

8. Channel Function Buttons:
1) SEL: Channel select button, press to choose a channel.
2) SOLO: Channel monitor button, press to send the current channel signal to the monitor bus, press again to exit monitor mode.
3) MUTE: Channel mute button, press to mute the current channel, press again to unmute.

9. Channel Faders: Faders control the channel volume on the current layer page.

Back Panel



1. Power Switch

2. Power Input: 24V power input, must use the factory-supplied power adapter.

3. Outputs: All balanced XLR outputs, used to connect and output signals to other amplification devices, 7 & 8 defaulting as the main output interfaces.

4. USB: USB 8 x 8 sound card interface.

5. LAN: Connect to a local area network router for online software control.

6. RS232: Sends and receives serial control signals via a standard serial port, fixed baud rate at 57600.

7. Bluetooth: Bluetooth antenna.

8. Inputs: All balanced input ports, with 16 XLR inputs, including 4 multifunctional COMB connectors that can accommodate XLR cables or 1/4” TRS cables for audio signal input.

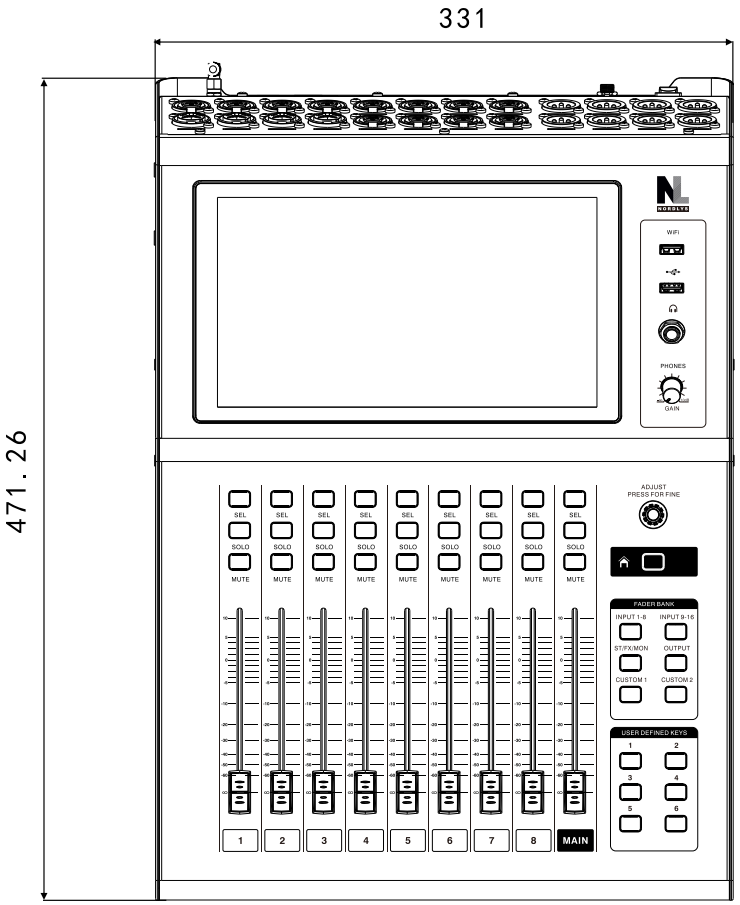
Product Parameters

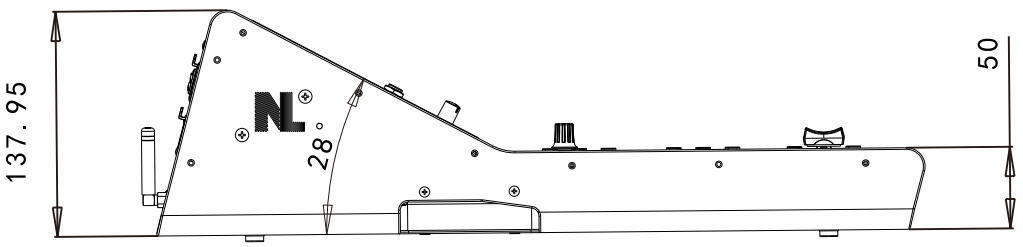
Processing Channels	Input Processing Channels	16 mono input buses and 3 stereo input buses
	Output Processing Channels	6 mono buses, 2 effect buses, 2 mono MTRX matrix output buses and 1 stereo main output bus
	Internal Effects	2 mono effect buses offer 8 effects (reverb, echo, chorus, wow, tremolo, distortion, pitch shift and flanger) for flexible use.
	GEQ	6-channel mono AUX bus and the MAIN output bus have 31-band GEQ module functions.
	Noise Gate	Threshold: -100dB ~ -20dB Startup time: 3ms ~ 100ms. Hold time: 0 ~ 2000ms. Release time: 2x, 4x, 6x,8x,16x,32x (Release time is the coefficient multiplied by startup time) Range: -∞dB~0dB. Noise gate and side chain mute mode can be configured.
	Compressor	Threshold: -54dB to +12dB Start time: 3~ 100ms Release time: 2x, 4x, 6x,8x,16x,32x (Release time is the coefficient multiplied by startup time) Compression ratio: 1.0 ~ 127, ∞ Soft inflection point: 0~20dB Gain:0dB~18dB Side chain compression function
	EQ	4 bands for input, 4 bands for output, Frequency: 20Hz~ 20kHz-20dB /+20dB Q value: 0.404 ~ 18.031 Type: Parametric, high frame, low frame, low pass Gain: -18.0dB ~ +18.0dB
	High/Low Pass	High pass: 20Hz ~ 600Hz, Low pass: 100Hz ~ 20kHz
	Delay	0 ~ 1000ms
	Phase	Standard/Reverse
	RTA	The EQ and GEQ curves show the signal levels of 31 frequency points in real time
	Scene Files	Up to 100 scenes can be saved.
	Effects Library	Up to 100 effect presets can be saved.
	Signal Processing Capability	40-bit floating-point processing, 48KHz sampling rate.
	A/D Converter	24-bit, 192KHz, 115dB dynamic range.
	D/A Converter	24-bit, 192KHz, 123dB dynamic range.
Connectors	Microphone/Line Input XLR Ports	16ports, including 4 COMBO ports for balanced input
	XLR Output Ports	8 ports
	Headphone Output TRS Port	1 port, stereo
	USB Port For Sound Card	Rear panel USB interface, 8X8 channel, 48kHz, UAC 2.0 protocol
	Other USB Ports	2 ports on the front panel, available to connect USB for stereo recording and playing, firmware upgrade, scene/effect library import and export, connect Wi-Fi module for wireless control.
	LAN Port	RJ-45 Network port, used for cable network connection

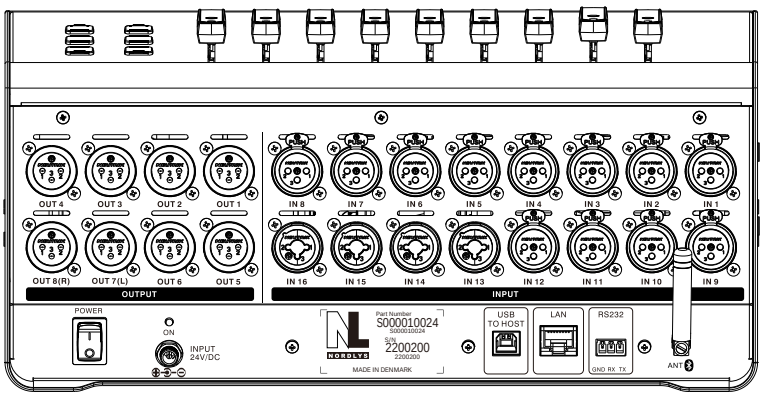
Product Parameters

IN1-16 Input Characteristics	Input Impedance	RL=10KΩ,Unbalance 5KΩ
	Frequency Response	20Hz–20KHz (+/-0.5dB)
	Maximum Input Level	+22dBu
	Phantom Power	+48V (IN1 to IN16)
	Gain	Analog gain: 0dB ~ 64dB Digital gain: -24dB ~ +24dB
	S/N R	-113dB (Gain = 0dB, A-weighted)
	Dynamic Range	-114dB (Gain = 0dB, A-weighted)
OUT1-8 Output Characteristics	THD	0.005%(Gain =0dB and Output =0dBu, unweighted)
	Frequency Response	20Hz–20kHz (+/-0.5dB)
	Maximum Output Level	+22 dBu
	Output Impedance	100Ω
	Crosstalk	-100dB @1kHz
	Background Noise	-86dBu(Gain=0dB)
Monitor and Headphone Characteristics	Output Impedance	50Ω
	Maximum Output Level	+20 dBu
	Background Noise	-76dBu(Gain=0dB)
Digital I/O	Digital I/O	Bluetooth, USB stereo, 8x8 sound card
		USB stereo playback and recording, supports MP3, WAV, and FLAC file playback USB Format Recording format wav
Overall	Channel Crosstalk	-111dB
	Display	10.1" touchscreen with 1280x800 resolution
	Motorized Faders	9 Stroke electric push rod potentiometer with 100mm
	System	Linux
	Network	LAN network port and external USB module, supporting IOS, Android, PC control
Hardware	Power	AC 100-240V 50/60Hz Input, DC 24V 2.5A Output
	Power Consumption	50W
	Operating Temperature	5 ~40
	Dimensions(DxWxH)	(Machine) 331x471.26x137.95mm (Encasement) 455x590x240mm
	Weight	Net Weight: 4.98kg Gross Weight: 7.9kg
	Accessories	Wi-Fi module
		Power cord

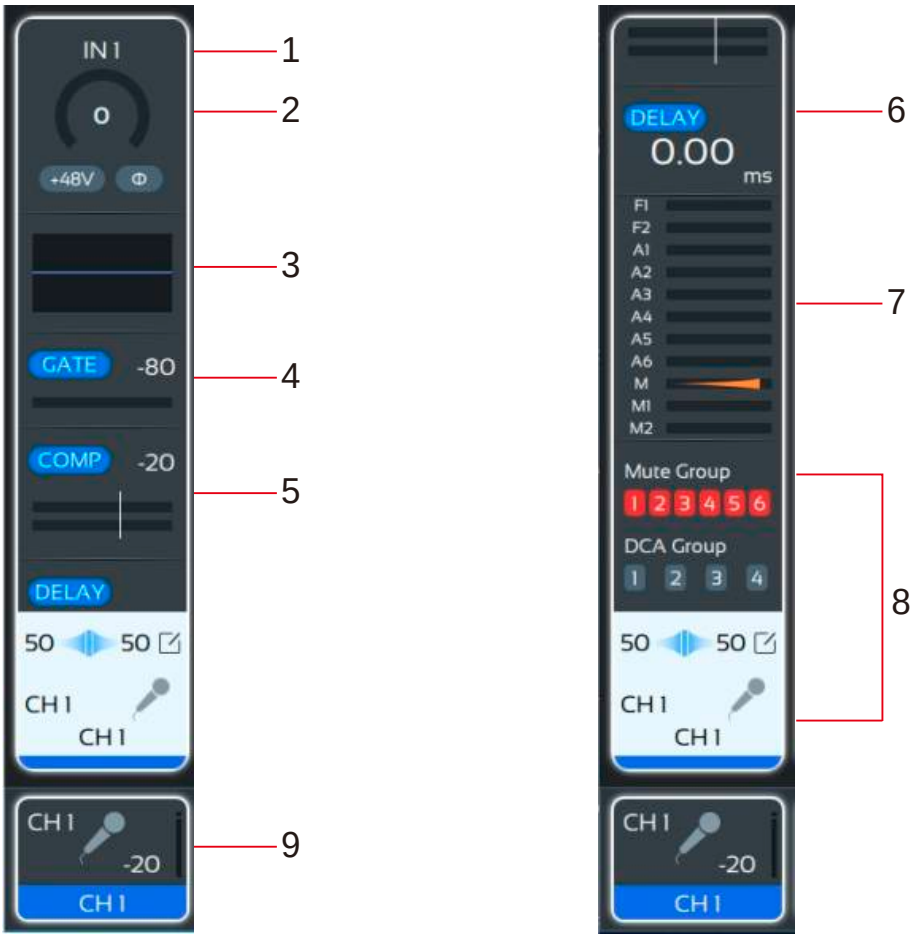
Product Dimensions







Channel Display Page



1. Input Patch Display: Corresponds to the input channels set for the control channel.

2. Input Gain: Displays the current channel's gain parameters, 48V status, phase status. Clicking on the gain area selects it for quick adjustment of analog gain parameters via the edit wheel, while double-clicking enters the gain setting interface.

3. Equalizer: Displays the current channel's equalizer activation status, equalizer parameter curve. Double-clicking on the equalizer area enters the equalizer setting interface.

4. Noise Gate: Displays the current channel's noise gate activation status, noise gate threshold parameters, signal level. Clicking on the noise gate area allows for quick adjustment of noise gate threshold parameters via the edit wheel, while double-cllicking enters the noise gate setting interface.

5. Compressor: Displays the current channel's compressor activation status, compressor threshold parameters, input signal level, compressed signal level. Clicking on the compressor area allows for quick adjustment of compressor threshold parameters via the edit wheel, while double-clicking enters the compressor setting interface.

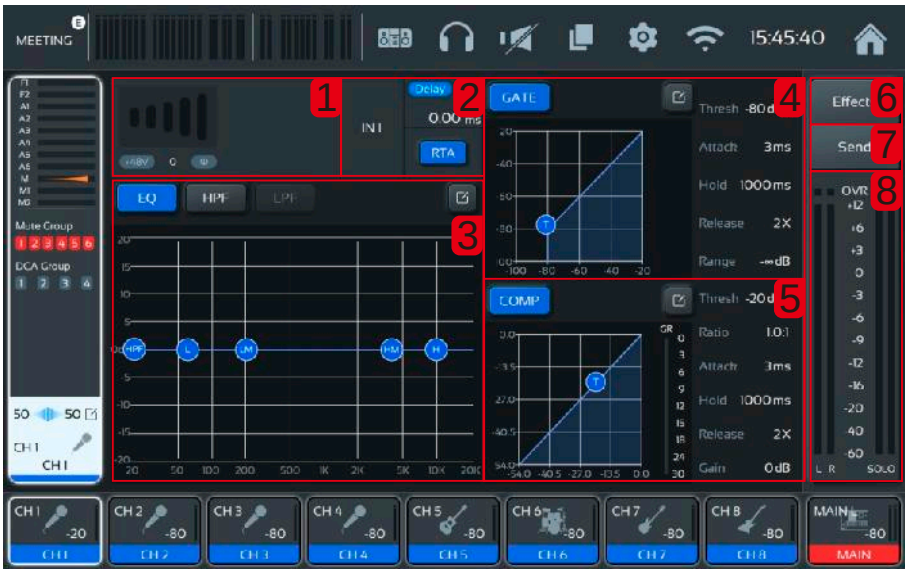
6. Delay: Displays the current channel's delay activation status, delay parameters. Clicking on the delay area allows for quick adjustment of delay parameters via the edit wheel, while double-clicking enters the delay setting interface.

7. Mixer: Displays the current channel's mixer output bus switch status, send level status. Double-clicking on the mixer area enters the mixer setting interface.

8. Channel Edit: Displays the current channel's mute group status, DCA group status, pan status, channel icon, color, name. Double-clicking on the channel edit area enters the channel edit setting interface.

9. Channel Level: Displays the current channel's icon, color, name, fader value, input signal level (this level meter is factory-set to pre-fader mode, but can be changed to post-fader display in the "Level Meter" subpage if needed.

Input Channel - Main Page



1. Input Gain: Displays the current channel's gain parameters, 48V status, phase status. Clicking on the gain area selects it for quick adjustment of analog gain parameters via the edit wheel, while double-clicking enters the gain setting interface.

2. Information Display:
1) Corresponds to the input channels set for the control channel.
2) Delay: Displays the current channel's delay activation status, delay parameters. Clicking on the delay area allows for quick adjustment of delay parameters via the edit wheel, while double-clicking enters the delay setting interface.
3) RTA: RTA switch.

3. Equalizer: Displays the current channel's equalizer activation status, high-pass/low-pass activation status, equalizer parameters, equalizer parameter curve. Selecting an equalizer node allows for quick adjustments, and clicking the edit button in the top right corner enters the equalizer setting interface.

4. Noise Gate: Displays the current channel's noise gate activation status, noise gate parameters. Selecting noise gate parameters allows for quick adjustment of corresponding parameters via the edit wheel, and clicking the edit button in the top right corner enters the noise gate setting interface.

5. Compressor: Displays the current channel's compressor activation status, compressor parameters. Selecting compressor parameters allows for quick adjustment of corresponding parameters via the edit wheel, and clicking the edit button in the top right corner enters the compressor setting interface.

6. Effects: Quickly navigate to the effects page.

7. Send: Quick send function. After clicking send, selecting the desired output bus will switch the physical faders and "SOLO" and "MUTE" buttons to signal dispatch mode, enabling quick signal allocation to output buses.

8. Level Signal: Displays main output and SOLO level signals.

Input Channel - Gain

1. Input Configuration:

1) Corresponds to the input channels set for the control channel.

2) Gain finder, signal reaching green is the appropriate value.

3) 48V switch, phase switch.

4) Analog gain parameter adjustment (0~+63).

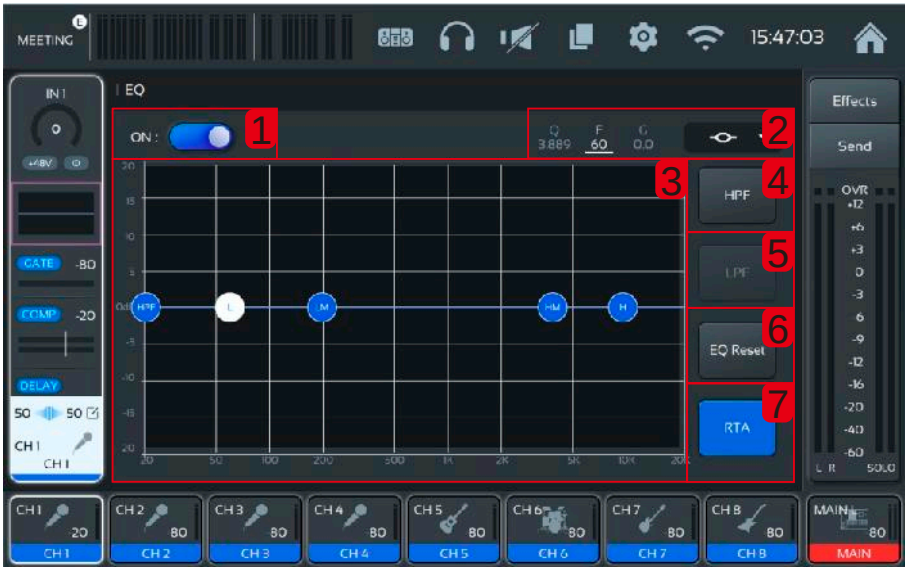
2. Digital Gain:

1) Gain signal level.

2) Digital gain parameter adjustment (-24~+24).

3. Synchronized Analog Gain: Clicking to sychronizes the analog gain of the stereo input L/R channel.

Input Channel - Equalizer



1. Equalizer switch button.

2. Equalizer parameters:
1) Q value, frequency, gain parameter status, selecting parameters allows for corresponding adjustments via the edit wheel
Q value: 0.404 ~ 18.031
Frequency: 20Hz~20KHz, frequency of high pass: 20Hz~600Hz
Gain: -18 to ~18dB
2) Type: Parametric, High Shelf, Low Shelf, Low Pass
HPF: High Pass
L: Parametric, High Shelf, Low Shelf
LM: Parametric
HM: Parametric
H: Parametric, High Shelf, Low Shelf, Low Pass

3. Equalizer parameter frequency response curve and RTA: Can be adjusted quickly by selecting and dragging the equalization points.

4. High Pass switch.

5. Low Pass switch (not available for input channels).

6. EQ reset.

7. RTA switch.

Input Channel - Noise Gate

1. Noise Gate switch.

2. Noise Gate Mode: Noise Gate, Ducking Noise Gate mode: Noise Gate function.
Ducking mode: Side-chain ducking function, set the noise gate of the music channel to ducking mode, select the main signal as the host microphone channel, achieving the function of muting or attenuating the music channel when the host speaks.

3. Signal Level: Side-chain and input signal display.

4. Function parameter status display.

5. Threshold: -100dBu ~ -20dBu

6. Function parameters
1) Attack Time: 3ms ~ 100ms.
2) Hold Time: 0 ~ 2000ms.
3) Release Time: 2x, 4x, 6x, 8x, 16x, 32x (release time is the coefficient multiplied by the attack time).
4) Range: -∞dB ~ 0dB

7. Signal Level: Output signal display.

Input Channel - Compressor

1. Compressor Switch.

2. Compressor Side-chain Signal: Adjustment range is none, IN1-IN16, AUX1-6, FX1-2. When selecting "none" as the side-chain signal, it simply functions as a compressor. When selecting input channels or buses as side-chain signals, the compressor's compression operation is determined by the level and threshold of the side-chain signal. To reduce music volume when the host speaks, select the host's microphone channel as the main signal for the music channel's compressor.

3. Signal level: Side-chain and input signal display.

4. Function parameter status display.

5. Function Parameters:
1) Threshold: Determines the level at which the compressor starts attenuating the input signal. Adjustment range: -100dBu ~ -20dBu.
2) Compression Ratio: 1.0:1 ~ ∞:1.
3) Gain: Compressor gain compensation. Adjustment range: 0dB ~ 18dB.
4) Soft Knee: Parameter for the compressor's soft knee, creating a smooth transition between no compression and compression states. Adjustment range: 0 ~ 20dB.

6. Function Parameters:
1) Attack Time: 3ms ~ 100ms.
2) Hold Time: 0 ~ 2000ms.
3) Release Time: 2x, 4x, 6x, 8x, 16x, 32x (release time is a coefficient multiplied by the attack time).

7. Signal Level:
1) Compression amount signal level display.
2) Output signal display.

Input Channel - Delay

1. Delay switch.

2. Delay parameter adjustment (0~340.3 meters / 0~1115.5 feets / 0~1000.00 ms).

Input Channel - Channel Send

1. Switch to configure channel signal sending to buses.

2. Configure pre/post-fader channel signal sending.

3. Configure channel send signal level, range -80dB ~ 10dB.

Input Channel - Channel Edit

1. Channel Editing:
1) Channel name editing.
2) Channel icon editing: Choose from 55 icons.
3) Channel color editing: Choose from 12 colors.

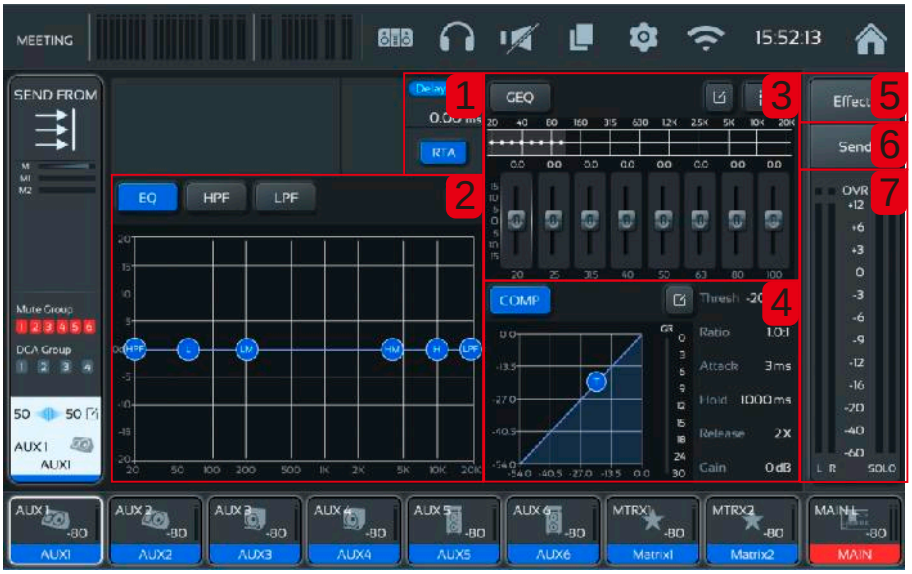
2. Channel icon and color selection bar.

3. Channel Function Settings:
1) Adjust channel pan, range 0 ~ 100.
2) Adjust channel volume, corresponding to the physical fader position, range -80dB ~ 10dB.
3) Channel mute switch.
4) Channel link switch.

4. Mute Group: Display and set channels to be included in the mute group.

5. DCA Group: Display and set channels to be included in the DCA group.

Output Channel - Main Page



1. Information Display:
1) Delay: Displays current channel delay status and parameters. Clicking to select the delay area to quickly adjust parameters using the edit wheel. Double-clicking to enter the delay settings interface.
2) RTA: RTA switch status.

2. Equalizer: Displays current channel equalizer status, high-pass/low-pass status, equalizer parameters, equalizer parameter curve. Select equalizer nodes for quick adjustments. Clicking the edit button in the top right corner to enter the equalizer settings interface.

3. GEQ: Displays current channel GEQ status and parameters. Select corresponding frequency bands for quick adjustments. Clicking the edit button in the top right corner to enter the GEQ settings interface. Clicking the mode switch button in the top right corner to switch fader status to adjusting gain for respective frequency bands.

4. Compressor: Displays current channel compressor status and parameters. Select compressor parameters for quick adjustments using the edit wheel. Clicking the edit button in the top right corner to enter the compressor settings interface.

5. Effects: Quickly jump to the effects page.

6. Sends: Quick send function. After clicking send, select the output bus to which the signal should be sent. Physical faders and "SOLO" and "MUTE" buttons will switch to signal distribution function, enabling quick signal assignment to output buses.

7. Signal Level: Main output and SOLO signal level display.

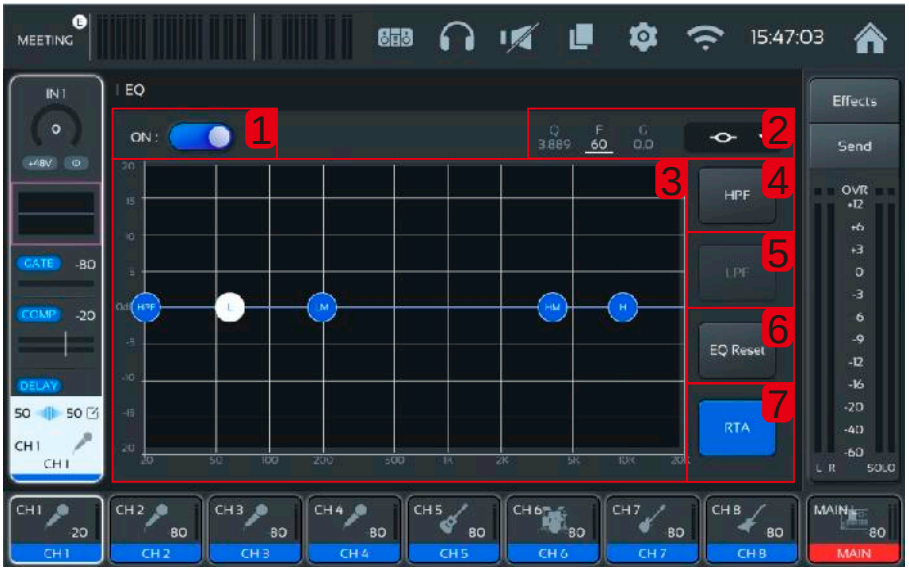
Output Channel - Source Send

1. Switch to configure sending channel signal to the output bus.

2. Configure pre/post-fader channel signal sending.

3. Configure source channel send signal level, range -80dB ~ 10dB.

Output Channel - Equalizer



1. Equalizer switch button.

2. Equalizer Parameters:
1) Q value, frequency, gain parameter status. Select parameters for corresponding adjustments using the edit wheel.
Q value: 0.404 ~ 18.031
Frequency: 20Hz ~ 20kHz
Gain: -18 ~ +18dB
2) Type: Parametric, High Shelf, Low Shelf, Low Pass
HPF: High Pass
L: Parametric, High Shelf, Low Shelf
LM: Parametric
HM: Parametric
H: Parametric, High Shelf, Low Shelf
LPF: Low Pass

3. Equalizer parameter frequency response curve and RTA: Quickly adjust by selecting and dragging equalization points.

4. High Pass switch.

5. Low Pass switch.

6. EQ reset.

7. RTA switch.

Output Channel - GEQ

1. GEQ switch button.

2. GEQ reset button.

3. Mode Switch Button: Switch fader status to adjust gain for respective frequency bands.

4. GEQ Bands: GEQ band selection area, slide left and right to choose corresponding frequency bands.

5. Adjust gain faders, range (-15 ~ +15dB).

Output Channel - Compressor

1. Compressor switch.

2. Compressor side-chain signal: Adjustment range none, IN1-IN16, AUX1-6, FX1-2. When selecting "none" as the side-chain signal, it simply functions as a compressor. When selecting input channels or buses as side-chain signals, the compressor's compression operation is determined by the level and threshold of the side-chain signal. To reduce music volume when the host speaks, select the host's microphone channel as the main signal for the music channel's compressor.

3. Signal Level: Side-chain and input signal display.

4. Function parameter status display.

5. Function Parameters:
1) Threshold: Determines the level at which the compressor starts attenuating the input signal. Adjustment range: -100dBu ~ -20dBu.
2) Compression ratio: 1.0:1 ~ ∞:1.
3) Gain: Compressor gain compensation. Adjustment range: 0dB ~ 18dB.
4) Soft knee: Parameter for the compressor's soft knee, creating a smooth transition between no compression and compression states. Adjustment range: 0 ~ 20dB.

6. Function Parameters:
1) Attack time: 3ms ~ 100ms.
2) Hold time: 0 ~ 2000ms.
3) Release time: 2x, 4x, 6x, 8x, 16x, 32x (release time is a coefficient multiplied by the attack time).

7. Signal Level:
1) Compression amount signal level display.
2) Output signal display.

Output Channel - Delay

1. Delay switch.

2. Delay parameter adjustment (0~340.0 meters / 0~1115.5 feets / 0~1000.00 ms).

Output Channel - Channel Send

1. Switch to configure channel signal sending to buses.

2. Configure pre/post-fader channel signal sending.

3. Configure channel send signal level, range -80dB ~ 10dB.

Output Channel - Channel Edit

1. Channel Editing:
1) Channel name editing.
2) Channel icon editing.
3) Channel color editing.

2. Channel icon selection bar.

3. Channel Function Settings:
1) Adjust channel pan, range 0 ~ 100.
2) Adjust channel volume, corresponding to the physical fader position, range -80dB ~ 10dB.
3) Channel mute switch.

4. Mute Group: Display and set channels to be included in the mute group.

5. DCA Group: Display and set channels to be included in the DCA group.

Effects

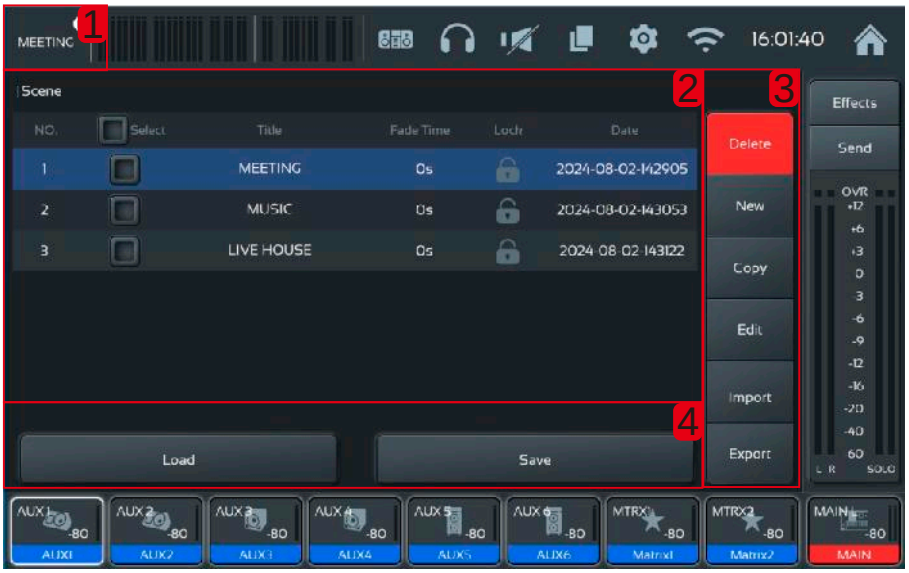
1. Effects: Quickly jump to the effects page.

2. Effects menu bar
1) Effects bus selection: Choose from FX1/FX2.
2) Mute switch.
3) Channel volume.
4) Effects library: Preset 25 effects (Reverb: 3 types, Echo: 3 types, Echo with Reverb: 2 types, Distortion: 1 type, Chorus: 3 types, Wah: 3 types, Tremolo: 3 types, Pitch shift: 3 types, Flanger: 4 types).

3. Effects type selection: Choose from 8 effect types (Echo, Reverb, Distortion, Chorus, Wah, Tremolo, Pitch shift, Flanger).

4. Effects parameter settings.

Scene



1. Scene: Display current scene (an "E" icon appears after scene data modification) and quickly jump to the scene settings page.

2. Scene list: The scene list includes number, selection, name, fade-in time, scene lock (when locked, delete, copy, edit, export, and save functions are disabled), and update time.

3. Scene function buttons:
1) Delete scene: Check the scenes to be deleted, then tap the delete button.
2) Create new scene: Establish a new scene.
3) Copy scene: If you copy a selected scene, the system automatically generates a new scene and prompts you to enter the scene name.
4) Edit scene: Modify the scene name and fade-in time.
5) Import scene: Import scenes from a USB drive. Clicking this option will display a list of existing "scene" files on the USB drive. Clicking a scene file from the list will import the scene to the console. Upon successful import, a dialog "Import successful" will appear. Clicking "Confirm" to finalize. The scene will be copied to the console. If no USB drive is detected, the system will prompt to "Insert USB drive." If no scene files are found on the USB drive, a message "Scene directory not found" will be displayed.
6) Export scene: Export scene files from the device to a USB drive. Select the scenes to be exported by tapping the checkboxes in the scene list. You can choose single or multiple scenes. Then clicking the export button. Upon successful export, a message "Export successful" will appear. Clicking "Confirm," and the selected scene files will be copied to the USB drive. If no USB drive is detected, the system will prompt to "Insert USB drive."

4. Load/Save Scene
1) Load scene: Select a scene from the list and tap the load button to load the currently selected scene.
2) Save scene: Clicking this button to save the current settings to the scene. This action can be repeated multiple times.

Level Meter

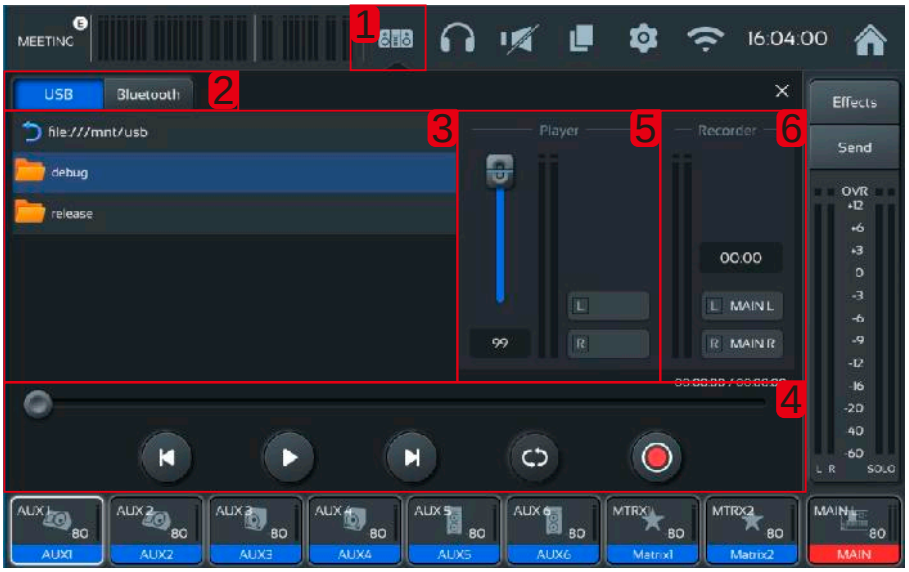
1. Level Meter: Display the current status of the level meter and quickly navigate to the level meter settings page. This page contains two parts: input channel level and output level.

2. There are two modes for input signal levels: pre-fader and post-fader, with pre-fader being the default. Clicking the buttons on the right labeled pre-fader or post-fader to select a mode.

3. There are two modes for output signal levels: pre-fader and post-fader, with post-fader being the default. Clicking the buttons on the right labeled pre-fader or post-fader to select a mode.

Note: After switching the level meter mode on this page, the level display on the layer page will also change accordingly.

Multimedia - USB



1. Multimedia: Quickly navigate to the multimedia settings page.

2. Multimedia types: USB, Bluetooth.

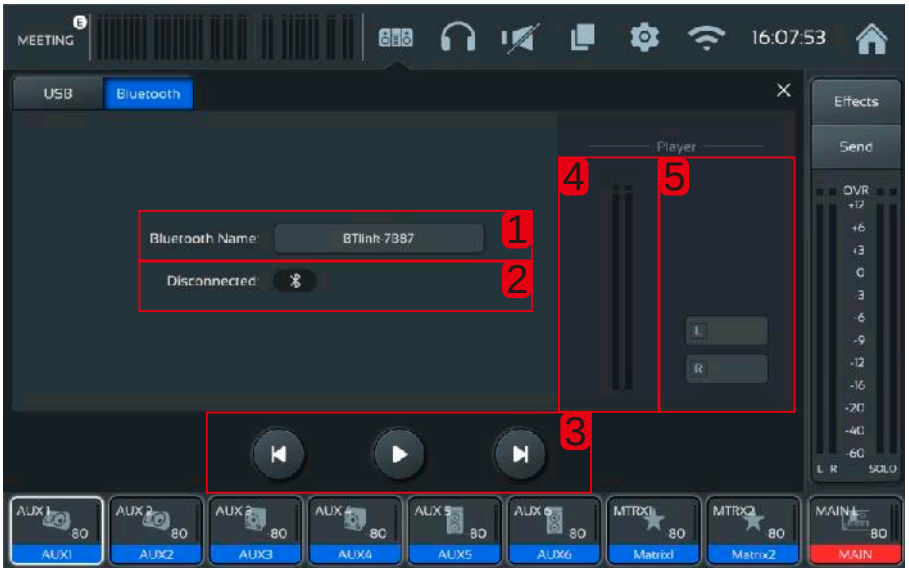
3. Playlist: Display folders and track lists on the USB drive. Clicking on a track in the list to play it.

4. Playback and recording controls: Display track names and playback progress, including five function keys: previous track, next track, play/pause, playback mode, and recording. Supports playback of audio sources in formats such as MP3, M4A, WAV, FLAC, APE, etc.

5. Playback
1) Channel volume adjustment.
2) Channel signal level display.
3) Display channels connected to the USB input bus. To make changes, go to the input connection page. The USB input bus is labeled as PB.

6. Recording
1) Recording channel signal level display.
2) Recording time display.
3) Display the current recording bus. To make changes, go to the output connection page.

Multimedia - Bluetooth



1. Bluetooth name: Display the current Bluetooth name.

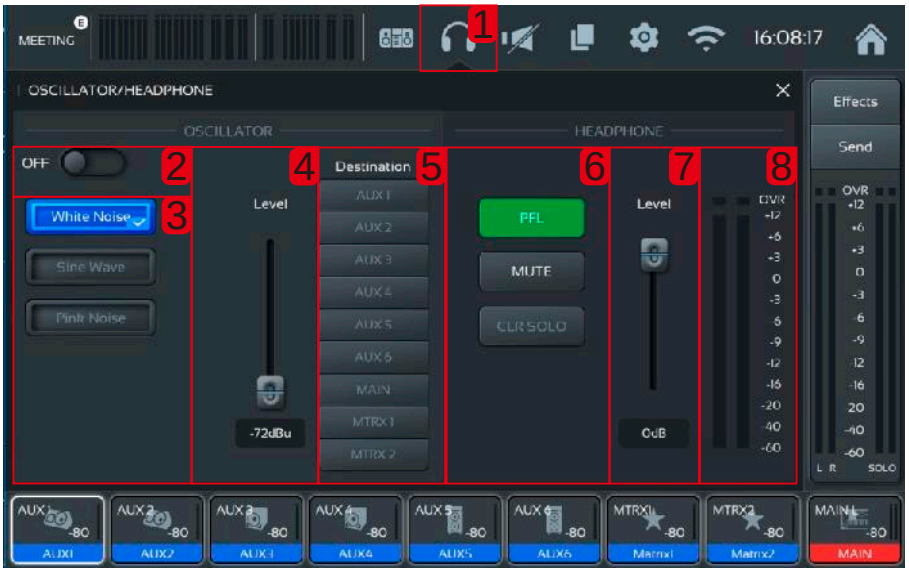
2. Display Bluetooth connection status.

3. Functional buttons: previous track, next track, play/pause.

4. Channel signal level display.

5. Display channels connected to the Bluetooth input bus. To make changes, go to the input connection page. The Bluetooth input bus is labeled as BT.

Signal Generator - Headphones



1. Signal Generator/Headphones: Quickly navigate to the signal generator/headphones settings page.

2. Signal generator switch.

3. Signal generator types: White noise, sine wave, pink noise - three selectable types.

4. Signal generator volume adjustment knob.

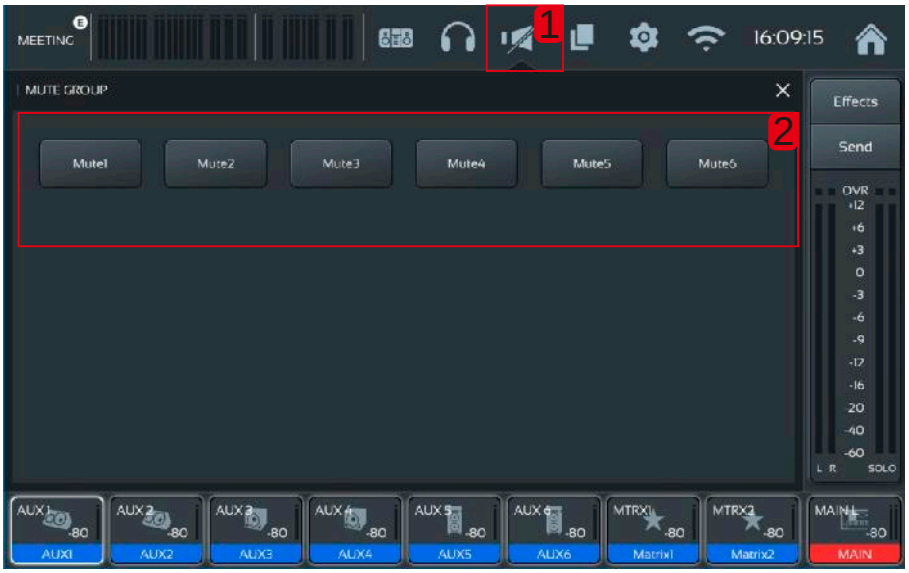
5. Signal routing: Set the output destination to AUX1 to AUX6 output buses, MAIN output bus, MTRX1/2 matrix.

6. Headphone functions:
1) Pre/post-fader monitoring settings.
2) Headphone mute button.
3) One-touch clear monitoring button.

7. Headphone volume adjustment knob.

8. Monitor signal level display.

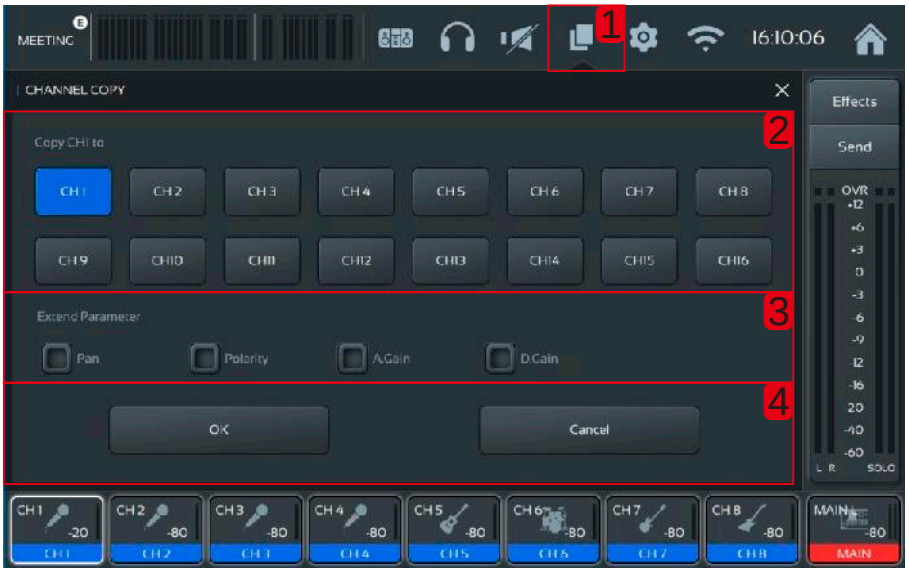
Mute Groups



1. Mute Groups: Quickly navigate to the mute groups settings page.

2. 6 mute group toggle buttons.

Channel Copy



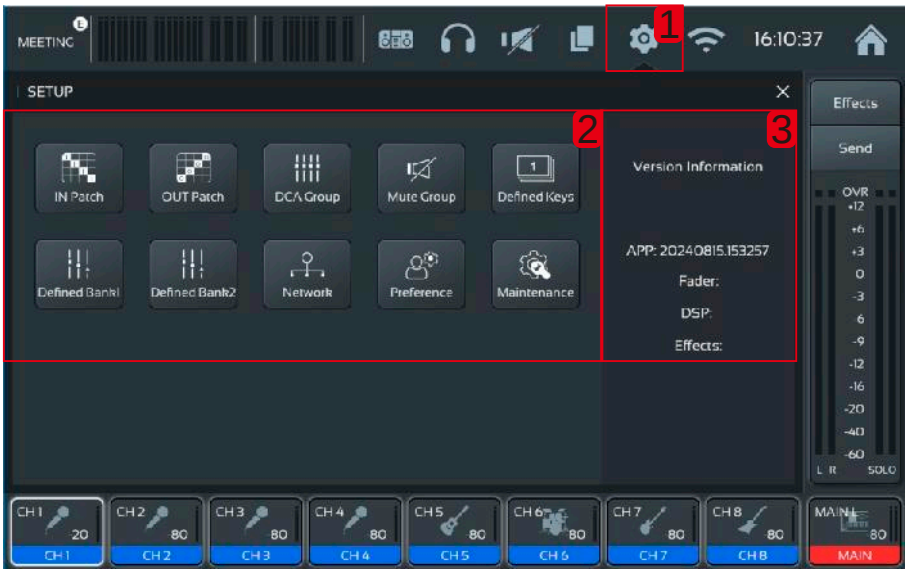
1. Channel Copy: Quickly navigate to the channel settings page.

2. Copy Channel Selection:
1) Use the channel "SEL" key to select the source for copying.
2) Select the channels to copy from the source channel.

3. Select additional parameters for copying: Pan, Phase, Analog Gain, Digital Gain.

4. Copy confirm and cancel buttons.

System Settings



1. System Settings: Quickly navigate to the system settings page.

2. Options: Input Connections, Output Connections, DCA Groups, Mute Groups, Custom Keys, Custom Layers 1/2, Network, Preferences, Maintenance Settings.

3. Display machine version information.

Input Patching

1. Connection Status: Display the current input bus status selected for channels CH1-CH16, STIN 1L/R, STIN 2L/R, STIN 3L/R.

2. Input Bus Options:
1) IN1-16: 16 physical input interfaces.
2) USB1-8: 8 x 8 sound card with 8 input ports.
3) PB L/R: USB input interface.
4) BT L/R: Bluetooth input.
5) None.

3. Options:
1) Default connection option.
2) Clear option.

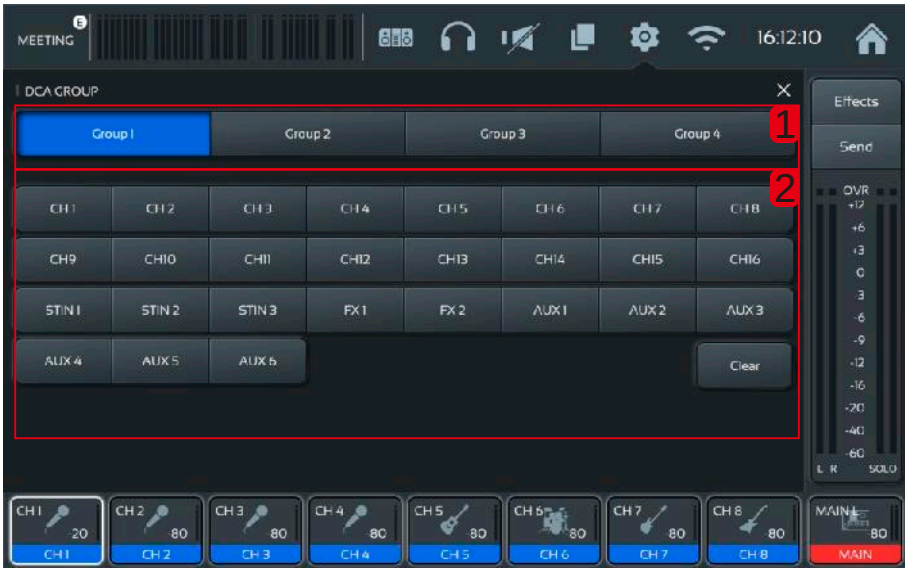
Output Patching

1. Connection Status: Display the current output bus status selected for OUT1-OUT8, USB1-8 (sound card output ports), REC L/R output interfaces.

2. Bus Options:
1) AUX1-6: 6 AUX output buses.
2) MTRX 1/2: Matrix.
3) IN1-16: 16 physical input interfaces.
4) USB1-8: 8*8 sound card with 8 input ports.
5) PB L/R: USB input interface.
6) BT L/R: Bluetooth input.
7) None.

3. Options:
1) Default connection option.
2) Clear option.

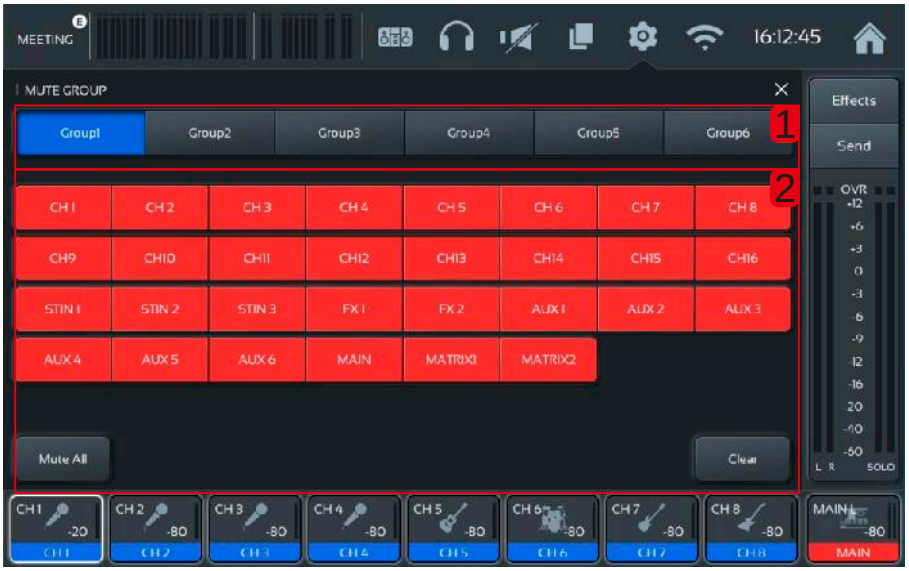
DCA Groups



1. DCA Group Options: 4 DCA groups.

2. DCA Group Status:
1) Display the status of channels added to the required DCA group.
2) Clicking on the respective channel to choose the status of adding the channel to the DCA group.
3) Clear: Clear the current status.

Mute Groups



1. Mute Group Options: 6 mute groups.

2. Mute Group Status:
1) Display the status of channels added to the required mute group.
2) Clicking on the respective channel to choose the status of adding the channel to the mute group.
3) Mute All: Quickly set all channels to be muted in the corresponding mute group.
4) Clear: Clear the current status.

Custom Keys

1. Custom Key Options: Configuration for 6 custom keys.

2. Function and Parameter Selection:
1) Function options: None, Mute Group Control, Scenes, Playback Settings, Effects Mute Bus, EQ Type.
2) Parameter options.

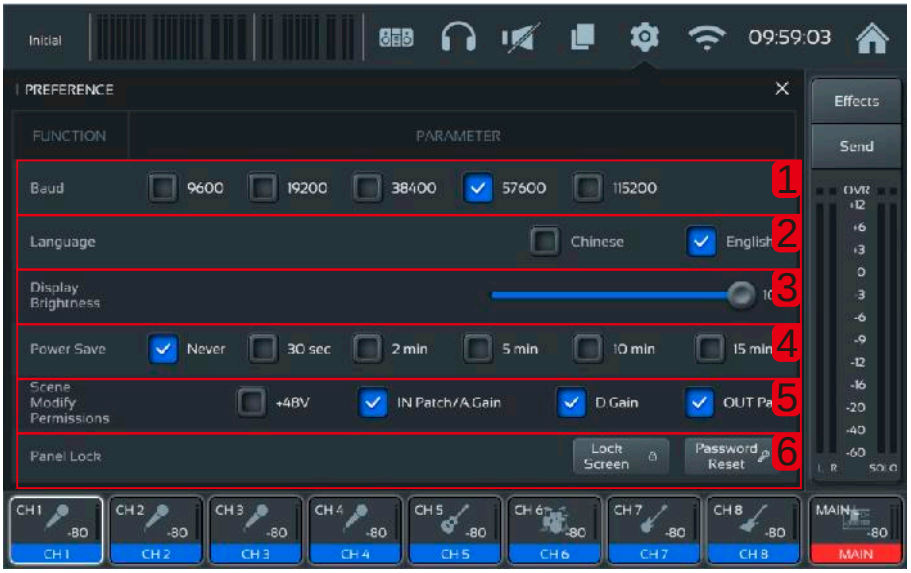
Custom Layers

1. Custom Layer Status: Display the status of the 9 channels in the current custom layer.

2. Bus Options:
1) CH 1-16: 16 channels.
2) MONITOR: Monitoring channels.
3) STIN 1-3: 3 stereo channels.
4) FX 1-2: Effects channels.
5) AUX 1-6: AUX output channels.
6) MATRIX 1-2: Matrix channels.
7) MAIN: Main output channel.
8) DCA 1-4: DCA channels.
9) None.

3. Clear: Clear the current status.

Preferences Settings



1. Baud rate: Set the baud rate of the device for RS232 control

2. Language: Choose between Chinese and English.

3. Display Screen Brightness: Select from 0-100.

4. Power Saving: Set the duration after which the console automatically sets the brightness to 0 if not in use.

5. Scene Load Modification: Functions that can be modified during scene loads.

6. Panel Lock: Switch for panel lock and password reset (The original password is 1111).

1. USB App Update: Access the update app program.
2. USB Boot Animation Update: Access the boot animation update program.
3. USB MCU Update: Access the MCU update program.
4. USB DSP Update: Access the DSP update program.

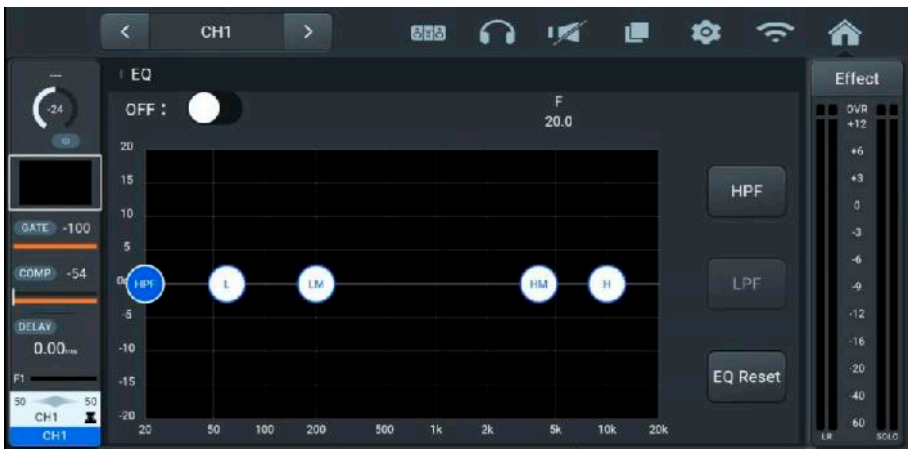
Network Setups

1. Local connection:
1) IP allocation: You can set the allocation mode, automatic (DHCP) and static acquisition.
2) IP address: Displays the IP address of the current device.
3) Subnet mask: Displays the subnet mask of the current device.
4) Gateway: Displays the current device gateway.
5) Device name: Displays the name of the current device for other controllers to find the device.

2. Wireless connection (WiFi) :
1) WiFi function switch (If the local network is connected, the system prioritizes the local network function, and the WiFi and AP functions cannot be used at the same time, ensure that the wireless network card is connected before using).
2) Function operation button.
3) List of currently searched WiFi.

3. Wireless connection (AP/ hotspot) :
1) AP/ hotspot switch (If the local network is connected to the system, the local network function is preferred, and WiFi and AP functions cannot be used at the same time, ensure that the wireless network card is connected before using).
2) Device AP/ hotspot name.
3) Password function switch and password display.


INPUT1-8
INPUT9-16
ST/FX/ MON
OUTPUT
CUSTOM1
CUSTOM2
-80 dB
SOLO
MUTE
CH1
CH2
CH3
CH4
CH5
CH6
CH7
CH8
MAIN L
MAIN


CH1
EQ
OFF :
F
20.0
HPF
LPF
EQ Reset
Effect
GATE -100
COMP -54
DELAY
0.00ms
20
50
100
200
500
1k
2k
5k
10k
20k


CH1
COMPRESSOR
OFF:
Key In :
None
Effect
Key OVR
Input OVR
Attack :
0ms
Hold :
0ms
Release :
2X
OUT
GR
OVR
GATE -100
COMP -54
DELAY
0.00ms
Thresh :
-54dBu
Ratio :
1.0:1
Gain :
0dB
Soft_Knee :
0dB

Control Terminal Softwares

The device can be controlled through PC, iOS, and Android platforms.
1. Download the software for PC, iOS, and Android.

2. The mixing console and the control device are connected to the same LAN, either via local connection, WiFi or AP/ hotspot.

3. Open the software for device search and connection.

*Disclaimer
1. The Android software is compatible with Android system versions 5 and above. If the system version of your device is lower than this, issues such as failure to install the software, abnormal operation or limited functionality may occur.
2. The iOS software is compatible with iOS system versions 12.0 and above. If the system version of your iOS device is lower than this requirement, you may encounter compatibility problems when using this software, such as installation failure, lagging or crashing.
3. The computer software is compatible with Windows 7 and above versions. Using a computer with a system lower than Windows 7 to run this software may lead to unstable software operation and inability to use functions normally.
4. Only mainstream mobile phone brands are supported. For devices of non-mainstream mobile phone brands, due to the diversity and complexity of their systems and hardware, there may be incompatibility between the software and the devices.

1.Windows system:
1) Install the UAC2.0 driver.
2) The Windows system version must be Windows 10 or later.

2. The MAC OS,iOS,Linux, and Android operating systems do not require driver installation.

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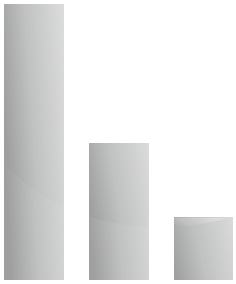

www.nordlyslight.com