

PR-2

User Manual

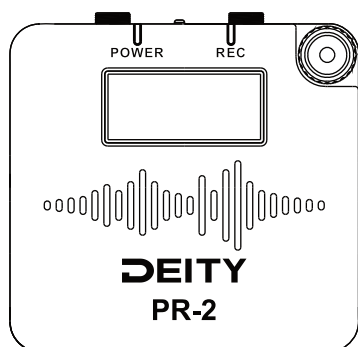
English

Contents

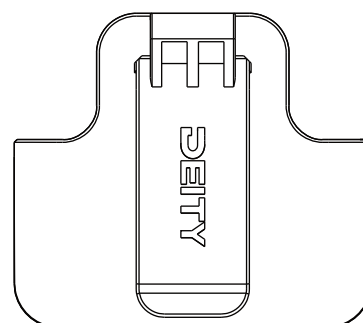
4. Quick guide to product view.....	Page 05
5. Function operation on interface.....	Page 08
5.1 Main interface.....	Page 08
5.2 Recording parameters on the main interface.....	Page 08
5.3 Time code status on the main interface.....	Page 08
5.4 Recording status.....	Page 09
5.5 Recording stop.....	Page 09
5.6 Setting of menu interface.....	Page 09
5.6.1 Gain adjustment.....	Page 10
5.6.2 AI smart gain.....	Page 10
5.6.3 Setting of time code.....	Page 10
5.6.4 Clip playback.....	Page 12
5.6.5 Power supply adjustment of microphone.....	Page 13
5.6.6 Setting of output.....	Page 13
5.6.7 Color identification setting of equipment.....	Page 14
5.6.8 Setting of Bluetooth.....	Page 14
5.6.9 Setting of recording mode.....	Page 15
5.6.10 Setting of SD card.....	Page 17
5.6.11 Setting of System.....	Page 17
6. Specification parameters.....	Page 21

4. Quick guide to product view

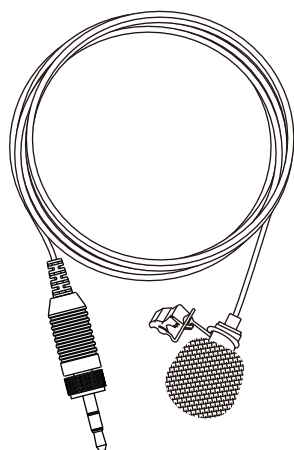
Packing list



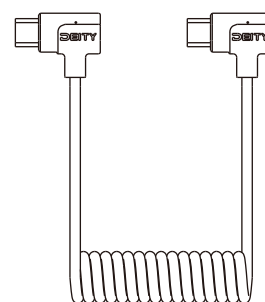
PR-2*1



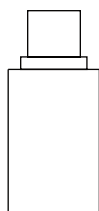
Recorder belt buckle*1



W. Lav Pro (3.5mm TRS connector)*1



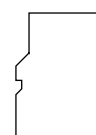
USB-C USB cable*1



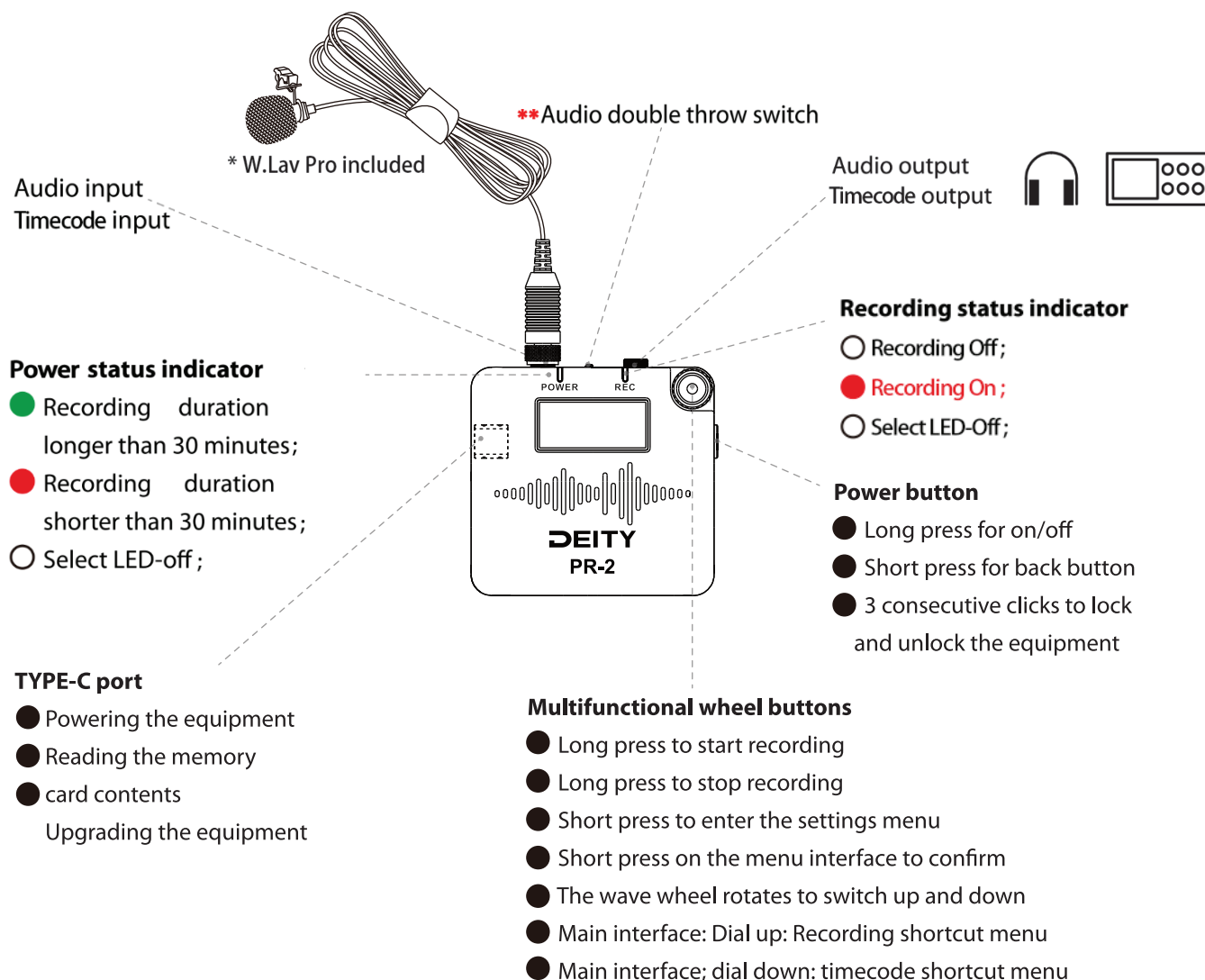
USB-C to USB-A conversion plug*1



DEITY AA battery*1



Micro SD card*1



****Audio double throw switch (US Version)**

During Recording:

Left Position: Audio is processed and stored with preset settings. The output port does not provide monitoring.

Right Position: Audio is stored raw without processing (Bypass mode). The output port does not provide monitoring.

When Not Recording:

Left Position: You can monitor recorded files through the output port.

Right Position: The output port is muted; monitoring is not possible.

(Global Version)

During Recording:

Left Position: Audio is processed and stored with preset settings. The output port provides monitoring.

Right Position: Audio is stored raw without processing (Bypass mode). The output port does not provide monitoring.

When Not Recording:

Left Position: You can monitor recorded files through the output port.

Right Position: The output port is muted; monitoring is not possible.

Diagram for installation of microphone

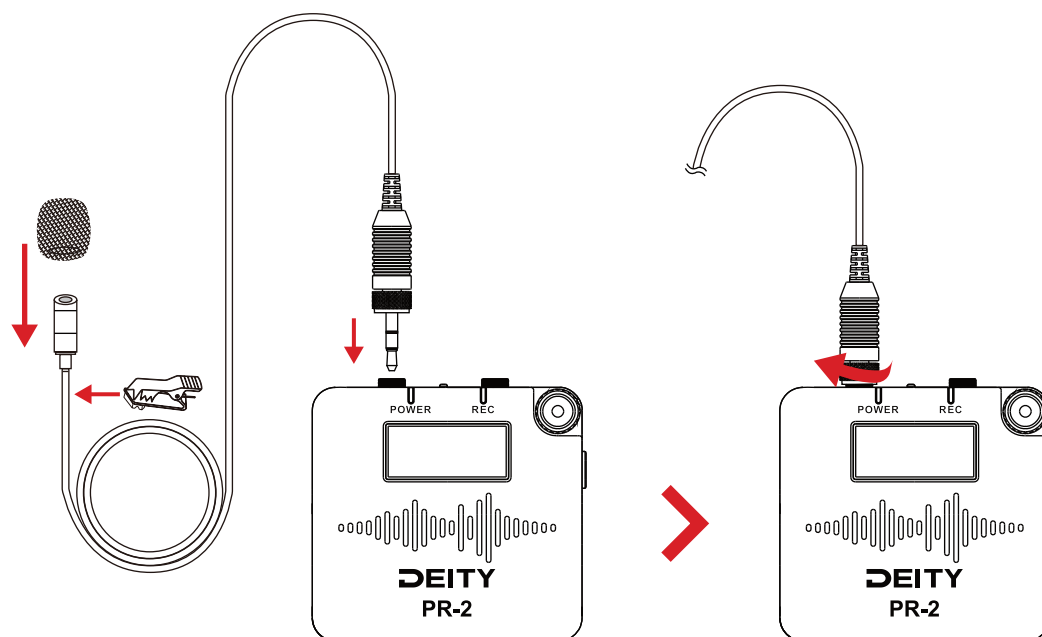


Diagram for installation of battery

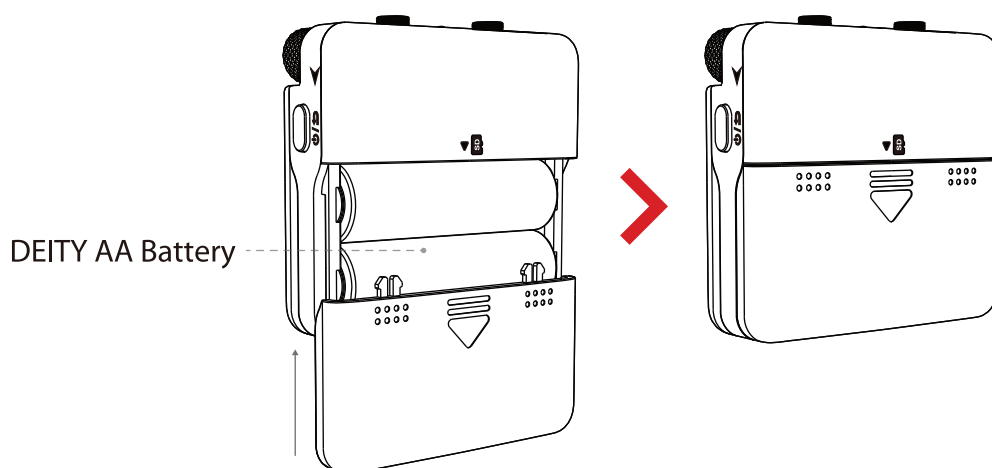


Diagram for installation of memory card

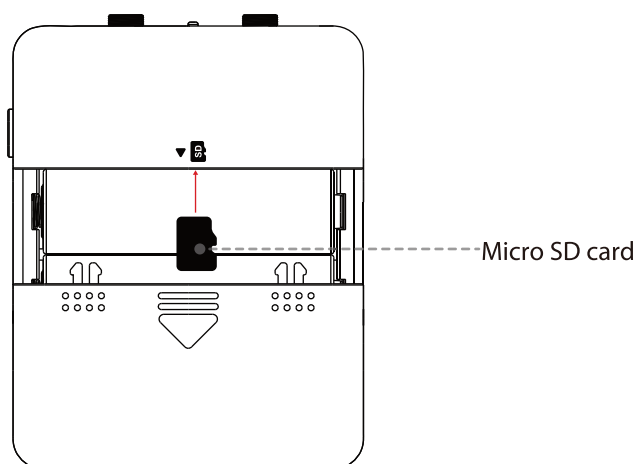
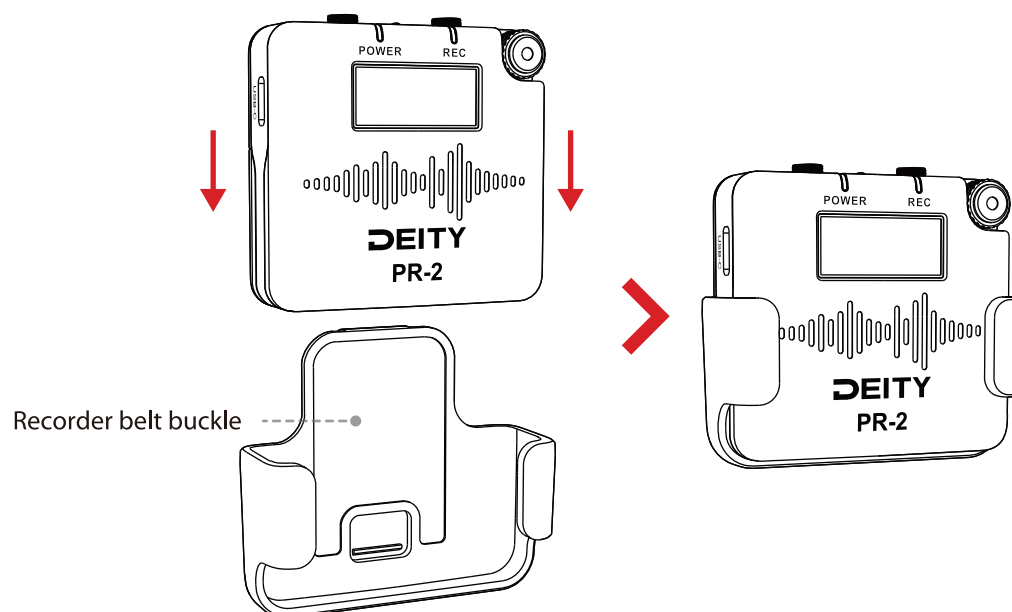
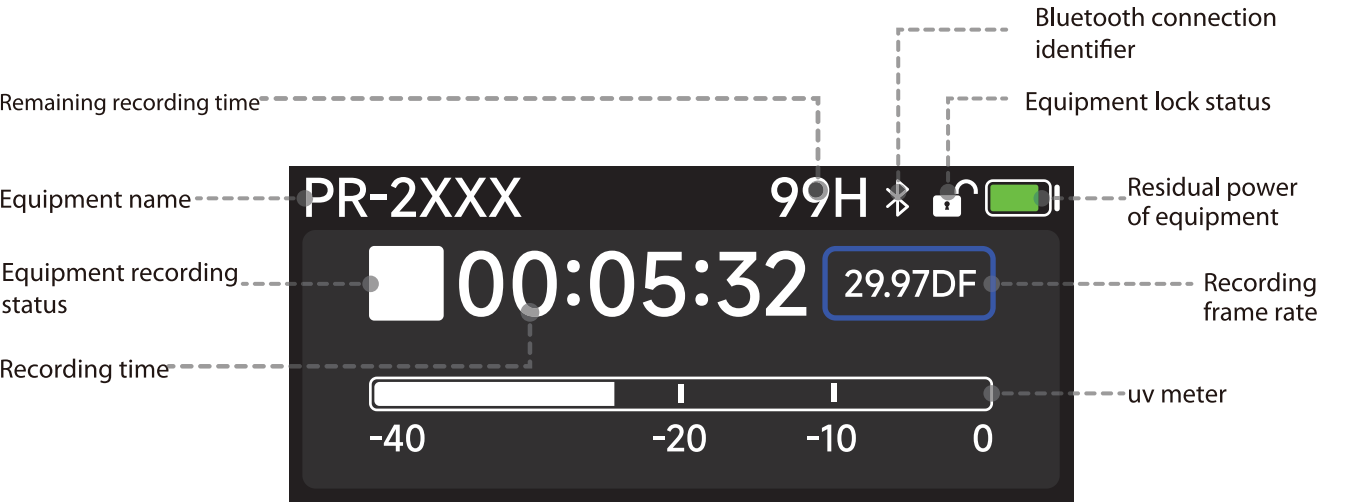


Diagram for installation of buckle

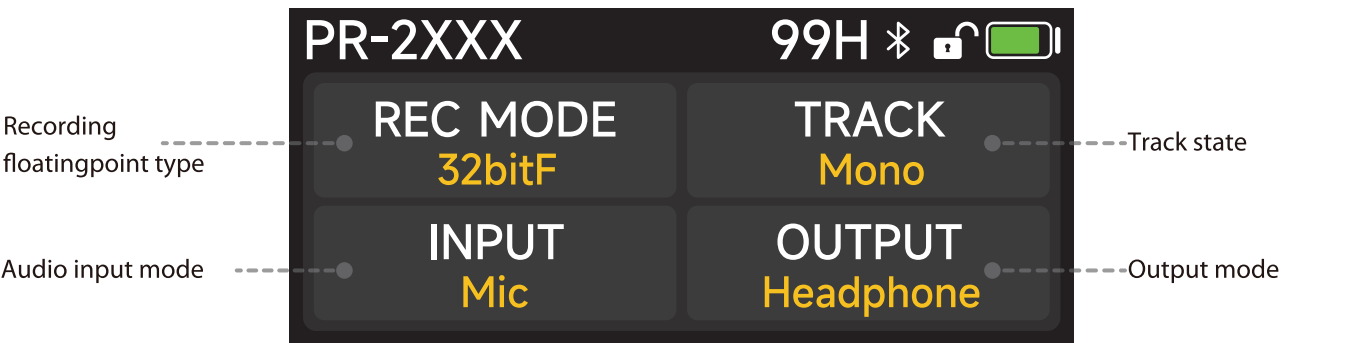


5. Function operation on interface

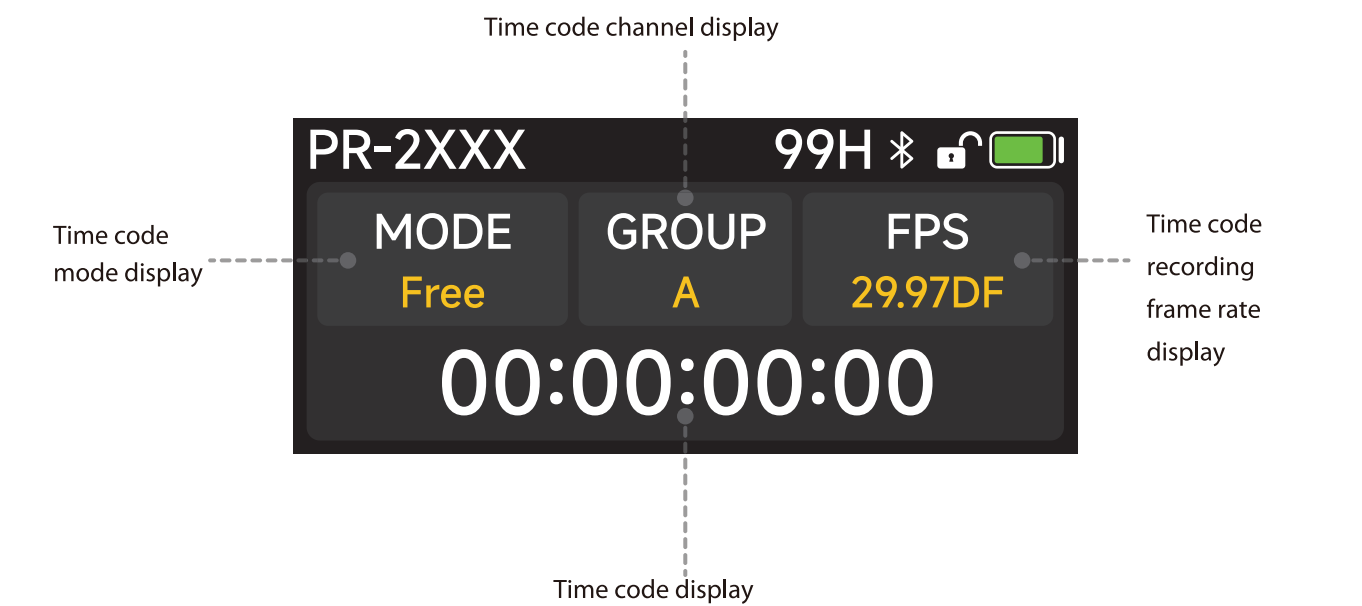
5.1 Main interface



5.2 Recording parameters on the main interface

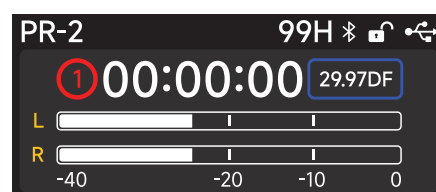
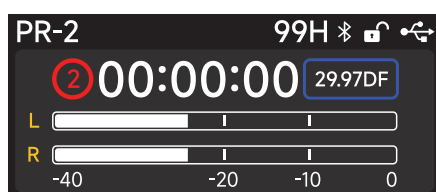
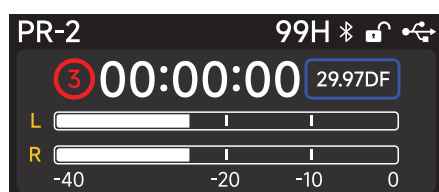
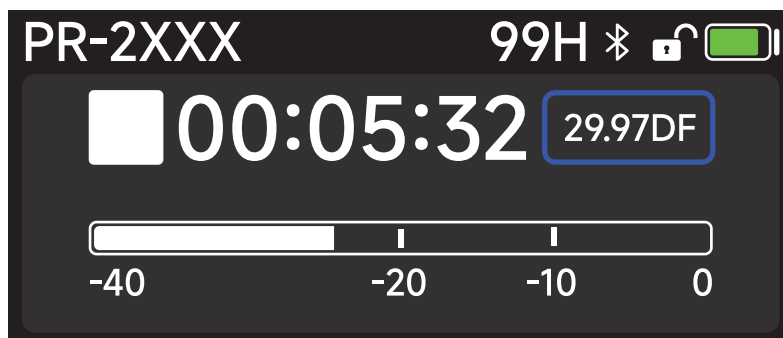


5.3 Time code status on the main interface



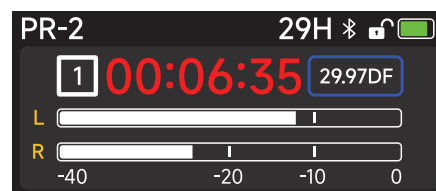
5.4 Recording status

To use the recording function, you can start recording by long-pressing the multifunction wheel button while the equipment is unlocked and wait for the progress bar to complete.



5.5 Recording stop

If you want to stop the recording, you need to press and hold the multifunctional wheel button while the equipment is unlocked and wait for the progress bar to complete so as to stop the recording.

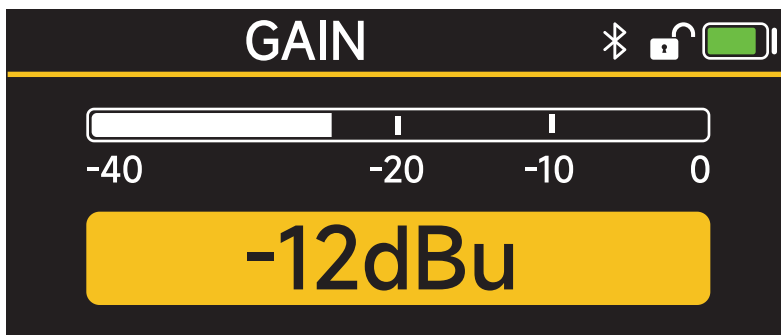


5.6 Setting of menu interface

You need to short press the multifunctional wave wheel button to enter the menu setting interface.

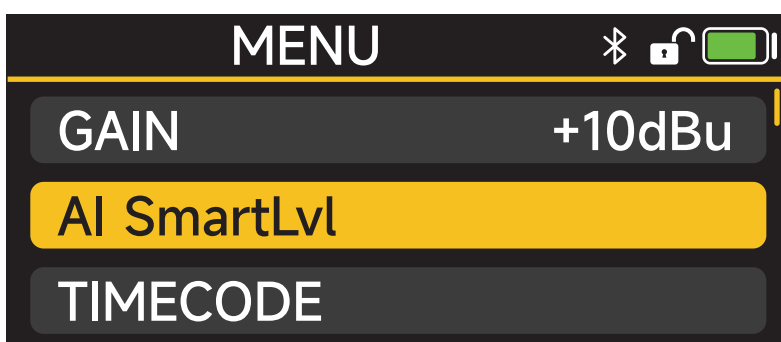
5.6.1 Gain adjustment

In this mode, the gain value of the microphone input can be adjusted, with a total of 12 optional gears available for adjustment. These gears can cover the range from -12dBu to +36dBu, allowing you to accurately control the input gain of the microphone. You can adjust the gain according to different recording environments to ensure the best audio recording effect by selecting the appropriate gear.



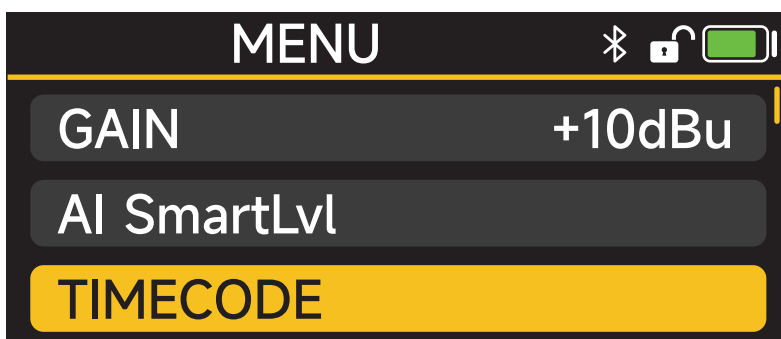
5.6.2 AI smart gain

In this mode, the gain value suitable for the current environment can be calculated with the help of AI, allowing you to quickly obtain appropriate gain settings to meet the needs of different scenarios and achieve excellent audio performance.



5.6.3 Setting of time code

In this mode, you can set parameter information for time code synchronization.



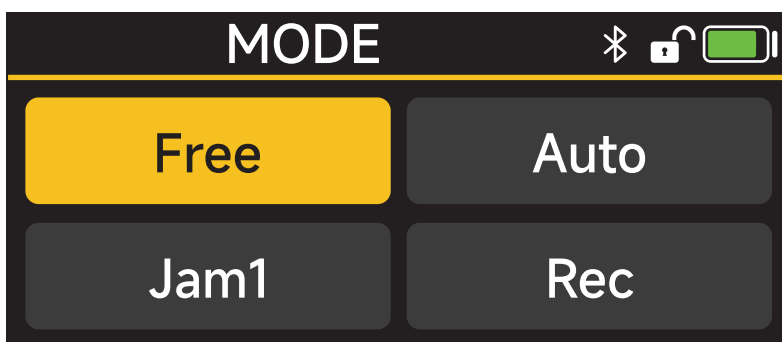
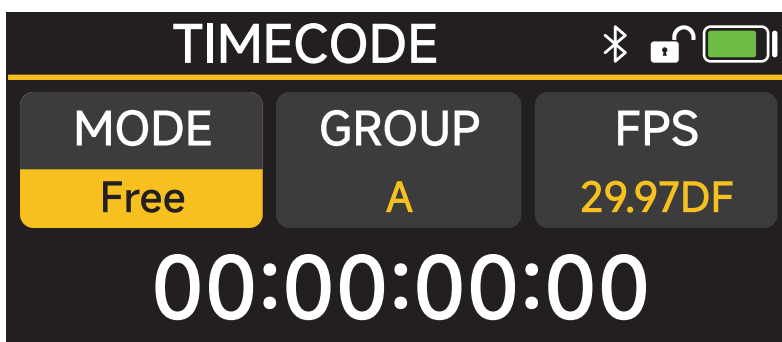
The “MODE” option allows you to set the time code mode of “FREE”, “AUTO”, “ONCE”, and “Rec”.

FREE: The time information set by the current equipment is a time code, which does not support external modification, cannot be reset, does not accept external time code signals, and cannot synchronize time codes wirelessly;

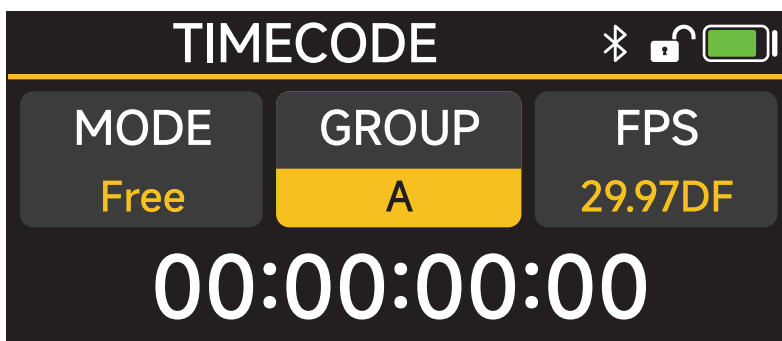
AUTO: Default setting. Wired/wireless time code can be automatically recognized for synchronization.

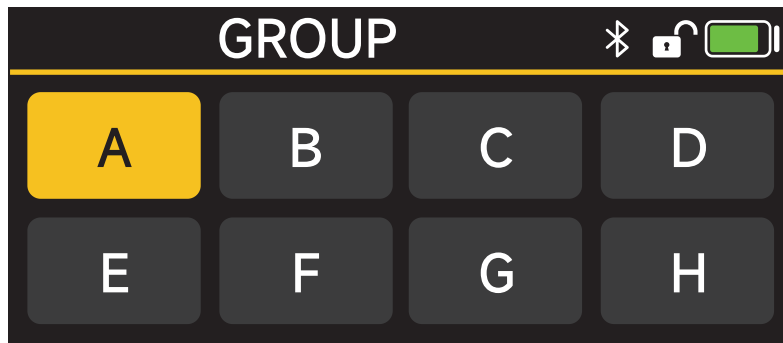
Jam1: If JAM is selected, all equipment will be synchronized with the main time code in a few seconds. Wired synchronization can only be conducted once and unlimited synchronization can be selected to modify the time code synchronization information.

Rec: The time code will start running when playing and recording, and time code will be stopped when not recording, when the time code cannot be synchronized by wired or wireless way.

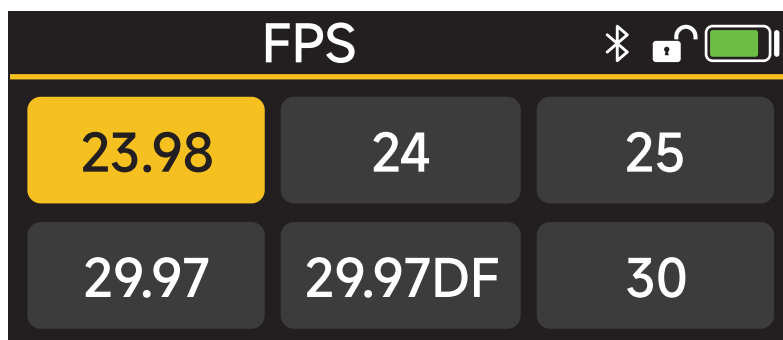
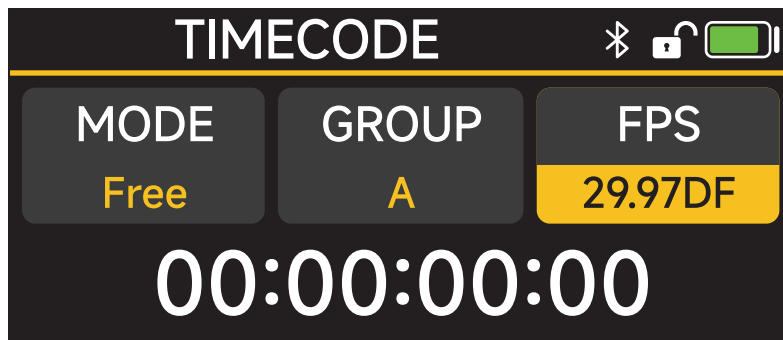


A-H time code synchronization groups are provided to facilitate your DEITY time code management, and only equipment under the same group can be synchronized. You can synchronize the time code of all equipment by the APP without worrying about the limitation of groups when Bluetooth is applied to connect to Aidus Audio.



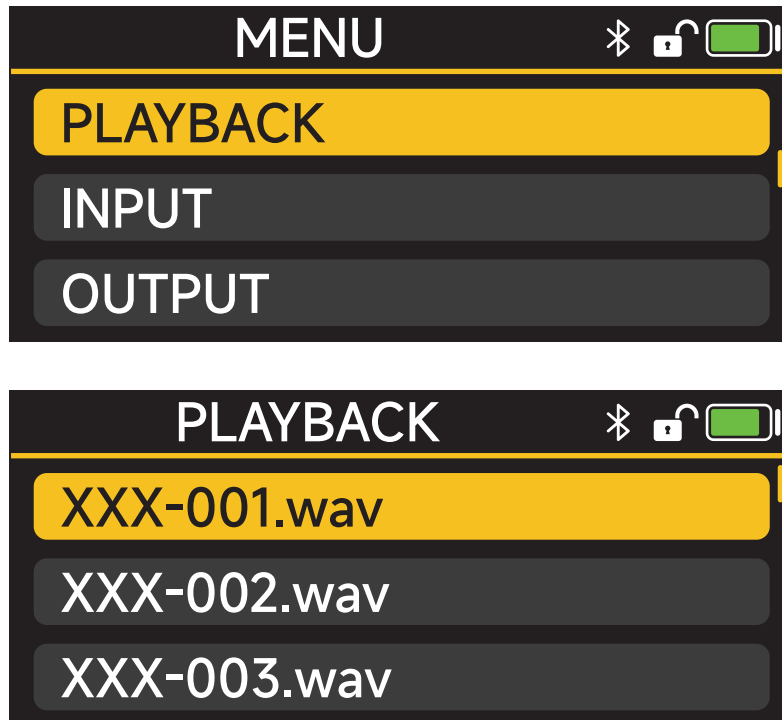


You can set the frame rate based on your actual needs. The frame rates you can select include 23.98, 24, 25, 29.97, 29.97DF, 30, 50, and 60 fps. Among them, 29.97DF indicates the frame dropping mode. The system default frame rate is 25, but we recommend you to set a suitable frame rate in advance according to your specific situation, so that you can better adapt to the requirements of different recording scenarios and the accuracy and stability of the time code can be ensured.

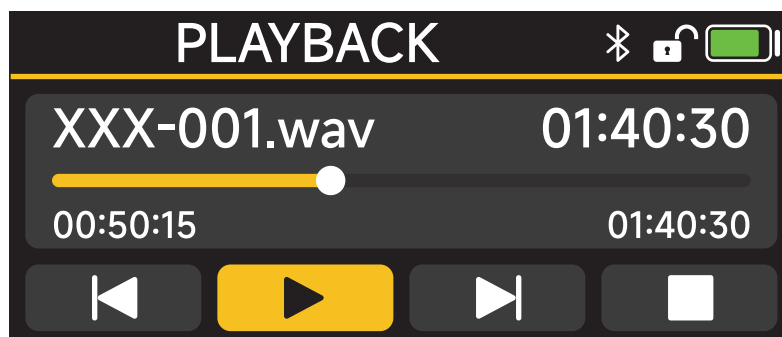


5.6.4 Clip playback

The recording files stored in the memory card can be conveniently browsed and played back. You can easily select the folder according to the date of the recording material to be played back by the wave wheel. You can quickly evaluate the recording effect and make sure that the material is in conformity with your requirements by entering to the selected date folder and selecting the recording material file to be played back.

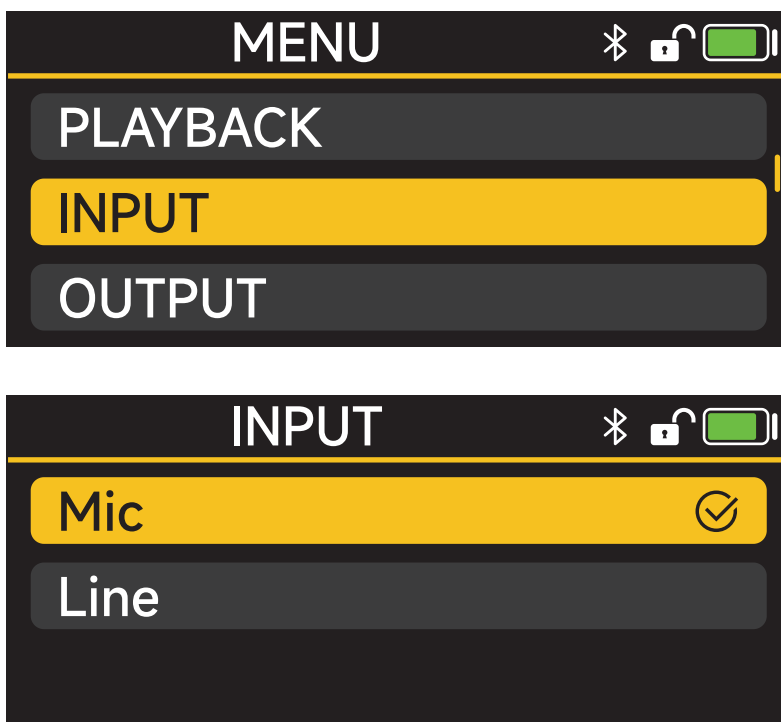


- In the clip playback interface, you can play and pause the clip by short pressing the multifunction wheel button.
- When the clip is paused, you can select the clip switch button, play function and stop function by scrolling the wheel.
- During the clip playback, you can control the clip playback progress by scrolling the wheel to realize the fast forward and fast rewind function.



5.6.5 Power supply adjustment of microphone

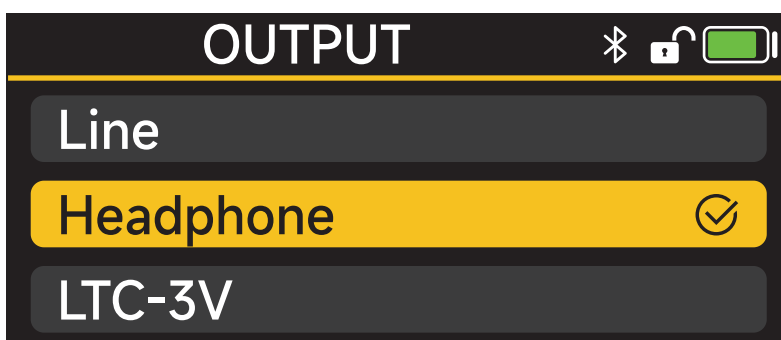
This mode allows you to manually switch the driving voltage of the microphone and select the microphone input option according to the type you need.



5.6.6 Setting of output

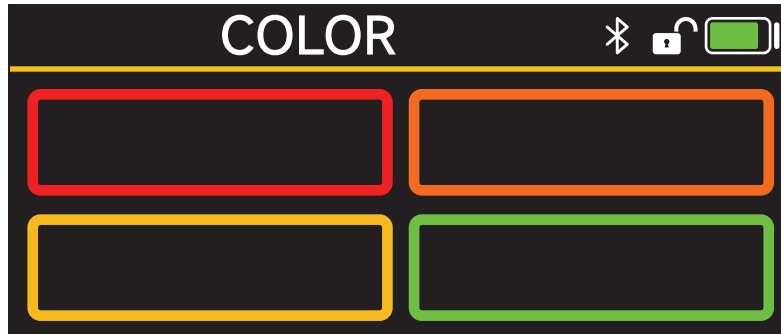
In the Output Settings, you can select different output modes according to your actual needs: Line, Monitor, and LTC (3V). With these options, a variety of flexible connections are provided to suit different application scenarios.

The microphone input audio can be output directly from the audio output port when the Output Mode toggle is adjusted to Thru Mode.



5.6.7 Color identification setting of equipment

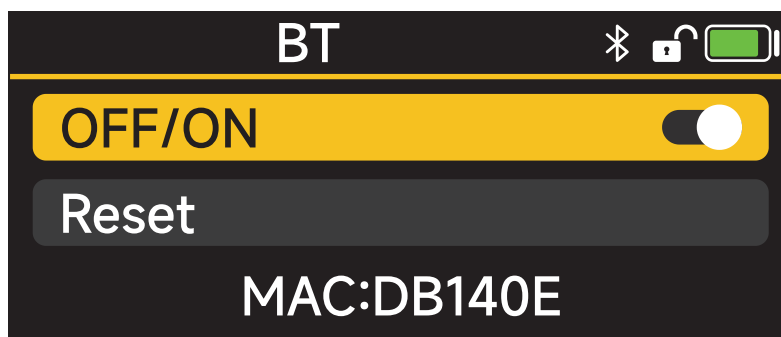
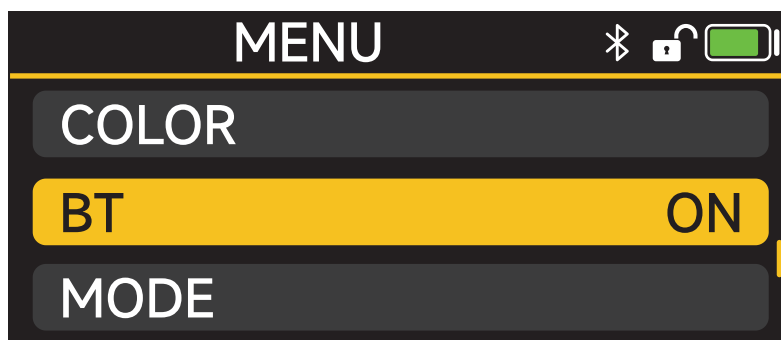
Under this mode, color markers can be selected so that the corresponding color markers will be displayed on the frame rate box of the main interface to mark the equipment with different colors. It can help you quickly recognize and distinguish different equipment in a multi-equipment operating environment, so as to effectively avoid equipment confusion and errors.



5.6.8 Setting of Bluetooth

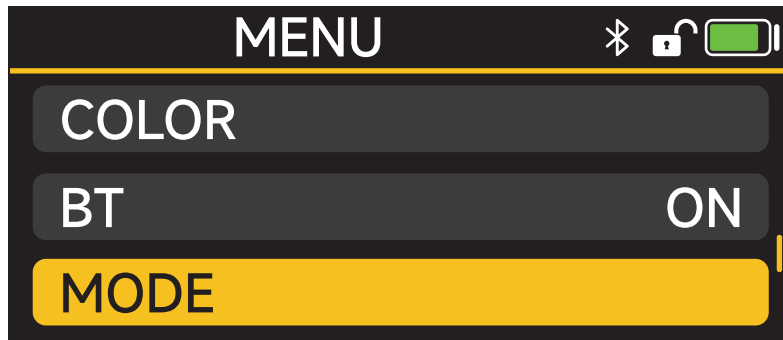
This mode allows you to turn the Bluetooth function on/off. Bluetooth is on by default. The Bluetooth can be reset by selecting "RESET" and clicking "YES". It means the reset is complete when "SUccESS" message prompts.

MAC address is the physical address No. of the current equipment, which is the unique identification code of the equipment from the factory, and different equipment can be distinguished when the cell phone is connected to Bluetooth.

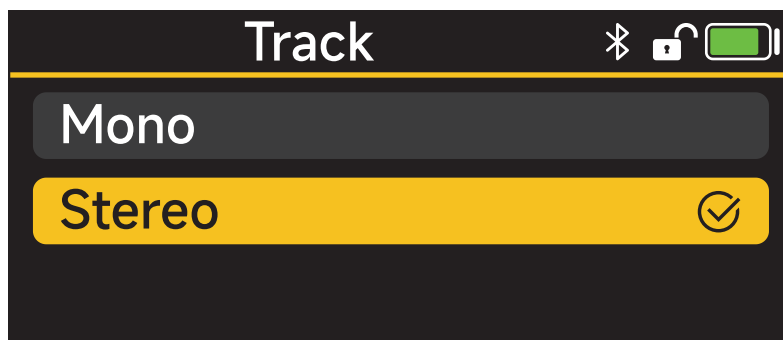


5.6.9 Setting of recording mode

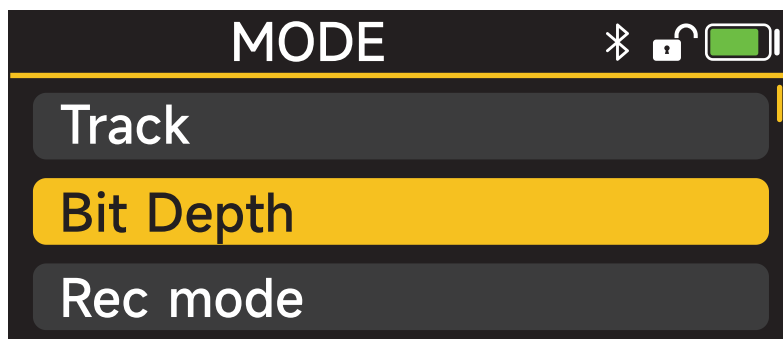
The recording parameters can be adjusted under this mode.



Track: The number of tracks for recording can be set under this mode. You can select Mono under Track to set the audio output to single track and select Stereo to set the audio output to stereo.



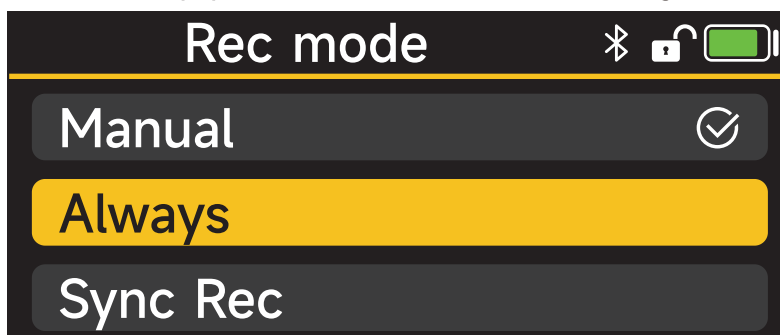
Bit Depth: Bit Depth mode allows you to set the number of blts to be recorded. You can choose between 24bit and 32bit Float recording, with the default sample rate being 48 kHz.



Rec mode: The default recording status can also be selected under this mode. MANUAL can be selected to manually switch the recording stop status, and the initial default status of the equipment is MANUAL.

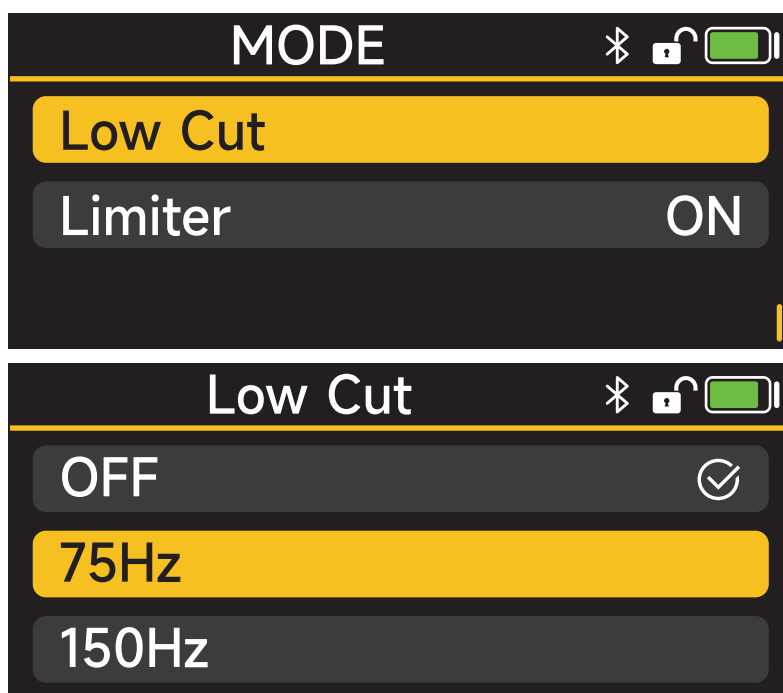
After selecting ALWAYS, it will start recording automatically after powering on the equipment.

Under the Sync Rec function, the equipment will start automatic recording after wireless synchronization.



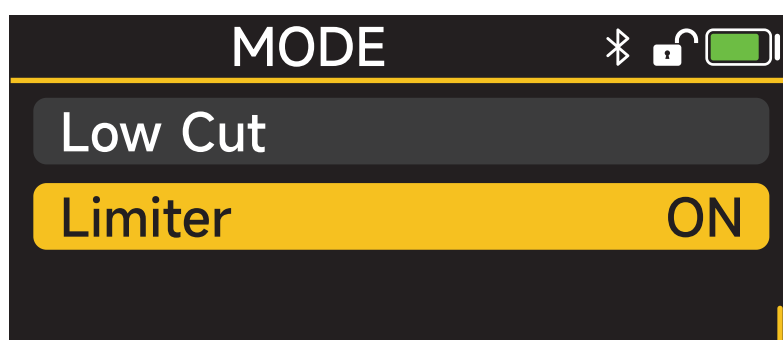
Low Cut: This mode allows you to set the value of the low cut according to your usage needs, with three low cut value options available: OFF, 75Hz, 150Hz. With low cut, you can effectively remove low frequency noise from the audio signal for clearer and better quality audio effects.

Please note that the Low Cut function should be adjusted according to your audio content and environment. Excessive use of the Low Cut function may affect the quality and realism of the original audio. Please make sure you understand the parameter settings of your equipment and make testing and adjustment in real applications before enabling the Low Cut function.



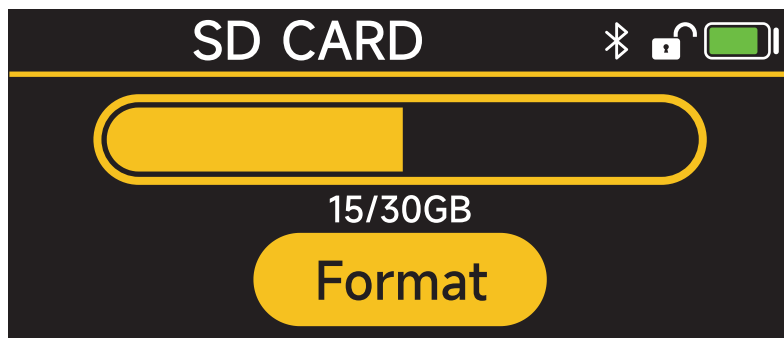
Limiter: (only supported when set to 24bit mono) With this limiter function, the strength of the audio signal can be automatically monitored and adjusted to ensure that the signal does not exceed the set amplitude threshold. The limiter will automatically reduce the excessive signal peak when the signal exceeds this threshold, thereby avoiding audio distortion and overload.

Please note that although limiters can prevent audio distortion, excessive use of limiters may cause dynamic range loss of the audio, making it appear dull and weak. Therefore, please make appropriate adjustments based on the actual recording environment and audio content when setting the limiter.



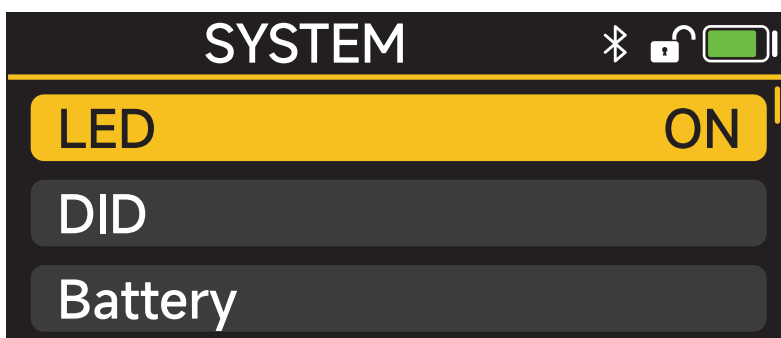
5.6.10 Setting of SD card

In this mode, the storage space occupied by the memory card will be displayed. The memory card can be formatted by selecting “FORMAT” and clicking “YES”, and it means formatting is complete when “SUCCESS” message appears. (The memory card will be subject to higher recording stability if formatted first before application in the equipment.)

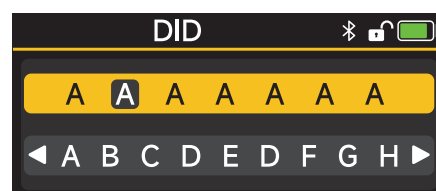
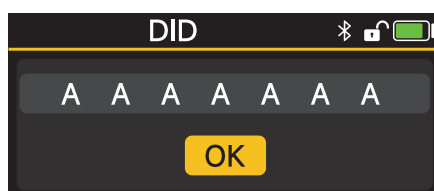
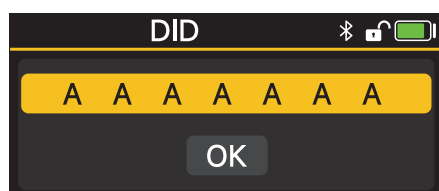


5.6.11 Setting of System

LED: In this mode, you can choose whether to turn on or off the LED indicator light of the equipment based on the application environment.



DID: In this mode, the name of the equipment can be modified based on your usage needs. You can select the character you need to adjust with the wheel selection key, short press the OK key by wheel to save the selection, and click the Return key to restore the previous settings.



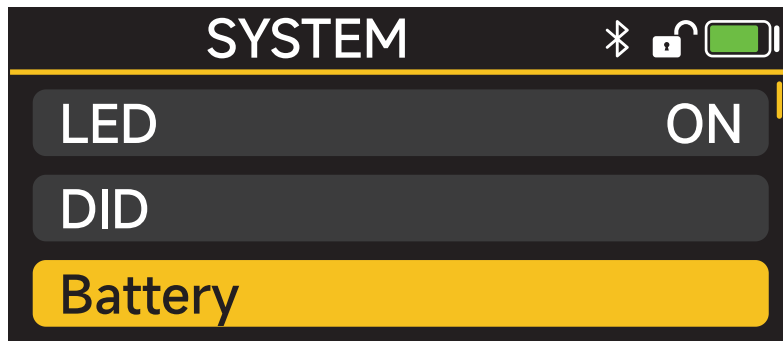
Battery: This mode allows you to select the corresponding battery type according to the actual usage, so that the remaining battery life of the equipment will be calculated more accurately. Four battery types are available in this mode:

DEITY AA: DEITY lithium-iron batteries.

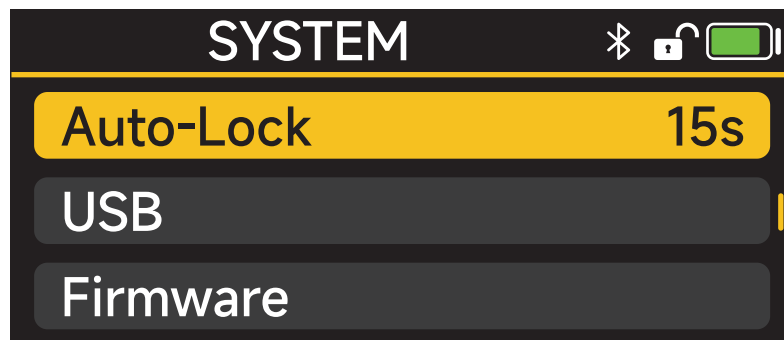
Alkaline: normal alkaline battery

Lithium: 1.5V stabilized lithium battery

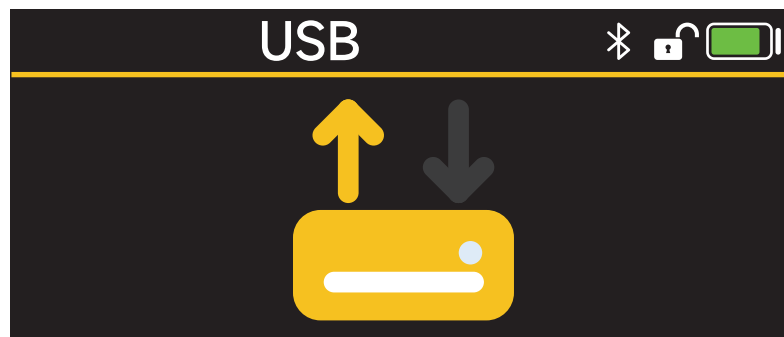
NiMH: 1.2V NiMH rechargeable battery



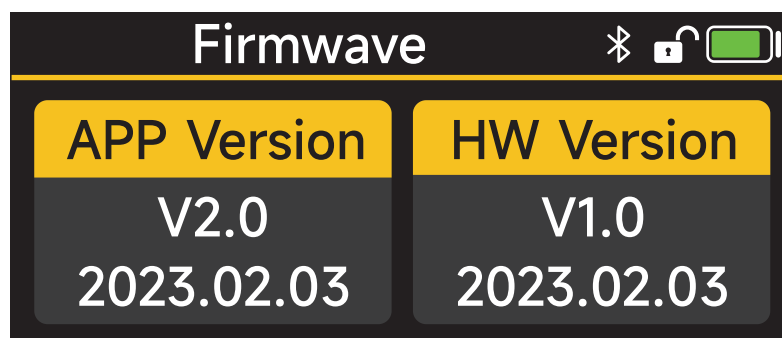
Auto Lock: In this mode, you can set the duration for the screen to stay lit when not in operation (system default 15s), three options are provided: "Never, 15S, 1min". The system will keep the last setting after the first use.



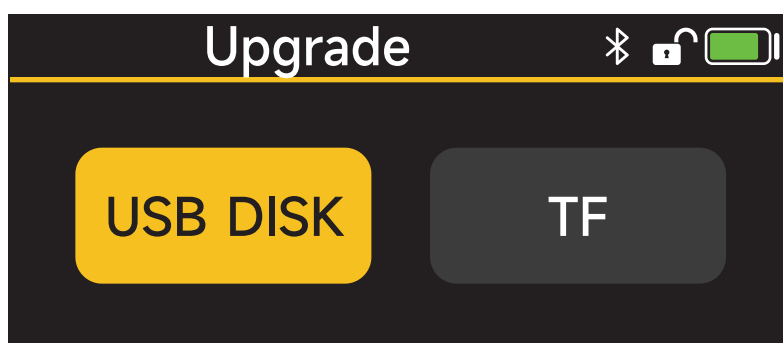
USB: In this mode, you can connect the PR-2 equipment to your computer via USB cable for quick transfer of recorded audio files.



Firmwave: In this mode, you can view the APP version information that supports the equipment as well as the firmware version information of the current equipment.



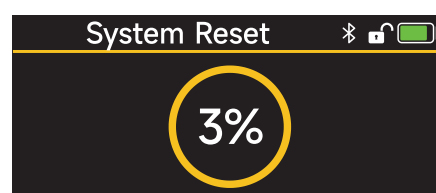
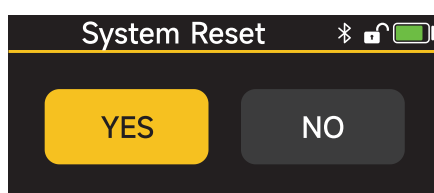
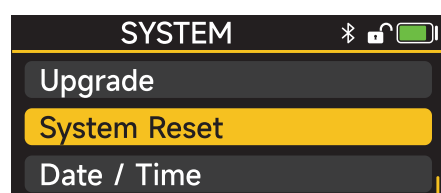
Upgrade: This equipment can be subject to hardware upgrade via USB disk or SD card, with exFat/FAT32 partition format USB disk supported. Please download the latest firmware from the official website and reserve it in the root directory of USB disk or SD card before upgrading. You can connect the USB disk to the USB Type-C input port with the “USB-C to USB-A Firmware Upgrade Adapter”, or insert the SD card into the equipment. The firmware can be updated by selecting the “Upgrade” option in the menu and following the on-screen prompts. The latest version number of the firmware will be displayed after the firmware update is completed. You can enter the “Firmwave” option in the system setup menu to check the current firm-ware version information of the equipment.



Please check whether the SD card or USB disk is correctly inserted into the equipment, or check whether the upgrade file is complete or reserved in the corresponding location as required if an exclamation mark is prompted, which may indicate that the SD card or USB disk has not been inserted into the equipment, or the equipment cannot read the internal upgrade file.

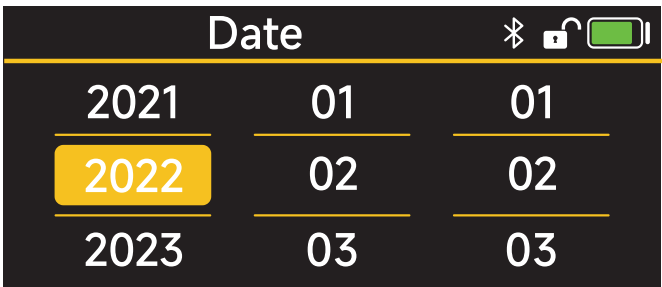
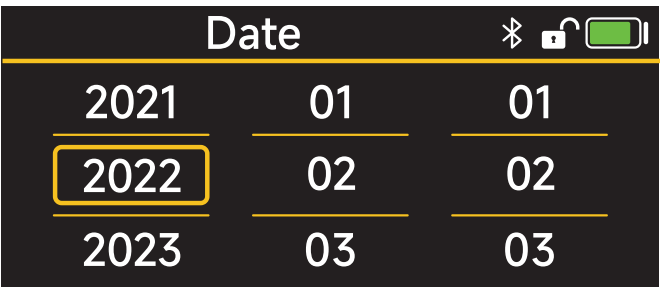
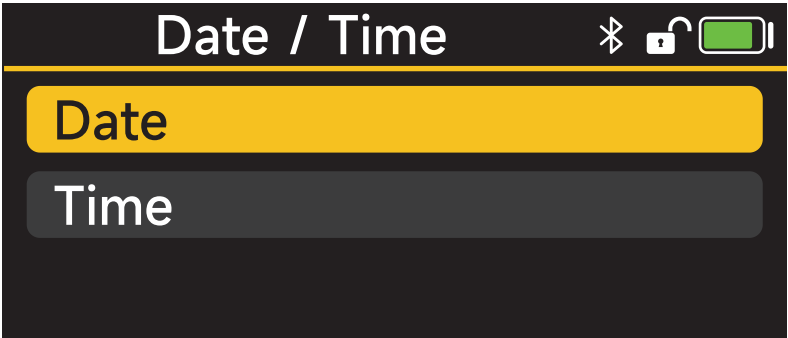


System Reset: In this mode, you can reset the system by clicking “YES” and it means the system settings reset is complete when the “SUCCESS” message appears.

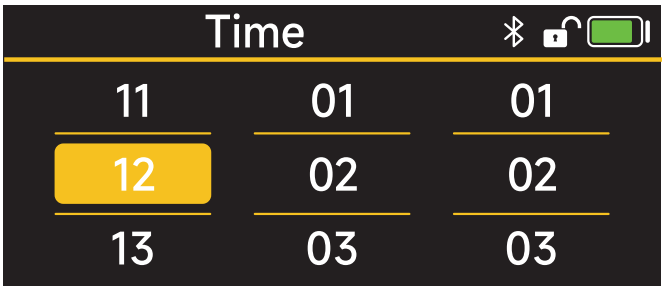
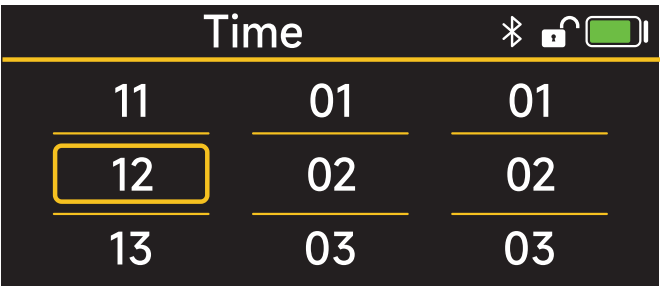


Date/Time: The date and time adopted can be set under this mode.

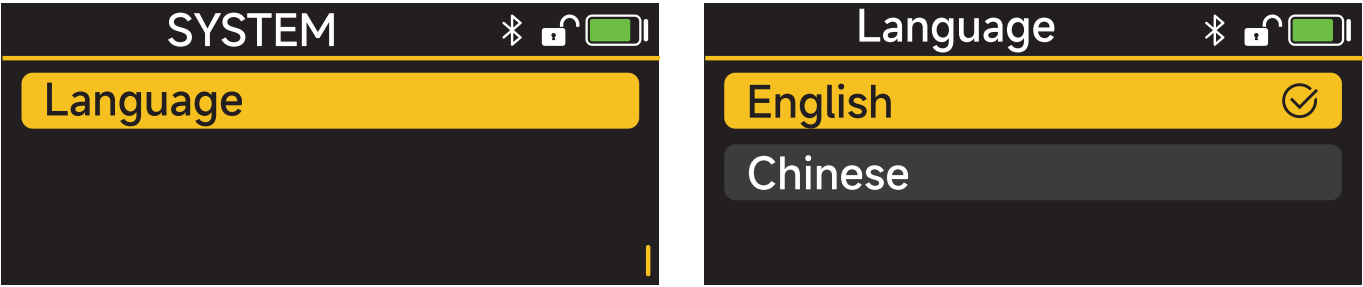
DATE setting can be customized for the equipment to set the current date information. You can click on the OK button to enter the date adjustment interface, adjust the date number by the wheel, click on the OK to save the set date information after the adjustment is complete, and then click Return to go back to the previous or initial setting of the date information.



TIME setting can be customized for the equipment to set the current time information. You can click the OK button to enter the time adjustment interface, adjust the time number by the wheel, click OK to save the set time information after the adjustment is complete, and then click Return to go back to the previous or initial setting of the time information.



In language selection mode, you can switch the device display language according to your usage habits.



6. Specification parameters of PR-2

Maximum sample rate	48k
Built-in speaker	None
Memory card support	Up to 128GB
Bit depth	24 bit、 32Bit float
Time code support	23.98、 24、 25、 29.97、 29.97DF、 30、 50、 60
Analog input and output	1 input; 1 output
Digital input and output	None
Phantom power	None
Frequency response	20~20KHz
Gain/Trim range	-12 ~ +36dBu
Signal-to-noise ratio	90dB (+18dBu)
Power options	AA*2 / USB-C
Operating temperature	-20~50°C
Body dimensions	58*55*18mm
Weight	40g (bare metal)