

封面

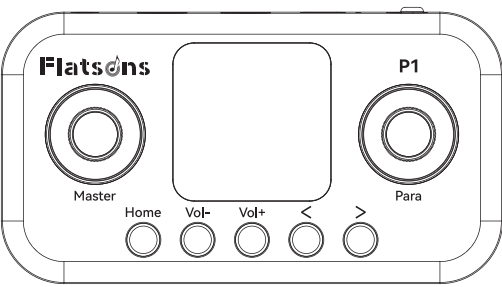
120.00 mm

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USER MANUAL

P1

Effects Processor



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Preface

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The P1 is a desktop effects processor specifically designed for portable performance, daily practice, and small-scale tone creation. It is compatible with stringed instruments such as guitars and basses, and its target users range from beginner players to advanced users, capable of meeting diverse tone needs. Its core advantages lie in its 'compact size + comprehensive functions'. This effects processor has 80 tone storage locations, among which the first 40 are factory presets. Users can either customize tones to overwrite and store them, or edit and save the preset tones. Meanwhile, it is equipped with 6 effect modules, including basic effects processors like noise gate, boost effects processor, and compression effects processor; tone simulations such as 20 classic amp head tone simulations and 20 classic IR cabinet simulations; an adjustment tool-the 3-band EQ adjuster; and ambient effects including 7 modulation effects, 5 delay effects, and 6 reverb effects. In addition, although the P1 has no footswitch design, a dedicated BANK mode has been added to enhance usability.

You can download the computer software or mobile APP from our official channels, use it to edit presets, swap presets, share presets, import/export presets, and import the IR files, import the AMP module timbre data (The file format is AM2,AM3,AMx,etc.) besides you can restore the factory Settings or firmware upgrade on the computer. It supports BT wireless music, earphone monitoring function, and computer sound card, etc. P1 can be used as an audio interface with a cellphone, use a OTG converter (separately buying) and accessory USB cable to connect the cellphone, then enter any video/audio recording APP for direct recording. It integrates a variety of function, it's easy-carry and it has excellent sound! It could be a good partner of your music instrument. This product is equipped with a built-in battery. After being fully charged, it can continue to be used for about 7 hours.

Attentions

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■ **The power supply:**
This device is equipped with a built-in battery for power supply and can be used continuously for about 9 hours after being fully charged. It supports simultaneous charging and power usage. When charging with the built-in battery completely drained, it takes approximately 6 hours to fully charge. When the battery is low, do not use it for a long time to avoid unstable working performance. Please charge it in time.

■ **The connection:**
Be sure to turn off the power of related equipment before connecting or disconnecting the device.

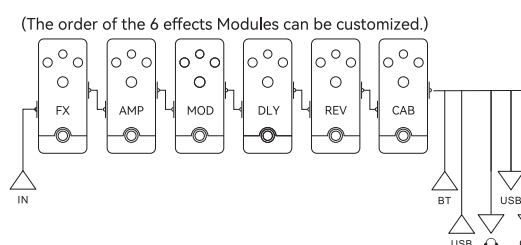
■ **The electrical interference:**
The electromagnetic wave of radio, television and other equipment may cause interference to the equipment, so please try to stay away from radio, television and other equipment.

■ **The location:**
To avoid deformation, discoloration, or other serious damage, do not expose this unit to the following conditions:
a. Heat sources
b. Magnetic fields
c. Sunlight
d. High temperature or moist district
e. Excessively dusty or dirty locations
f. Strong vibrations or shocks

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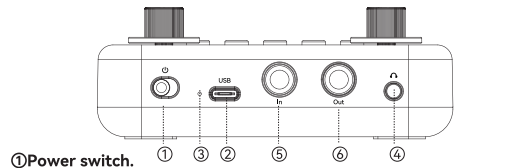
P1 Effects chain diagram

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Rear panel

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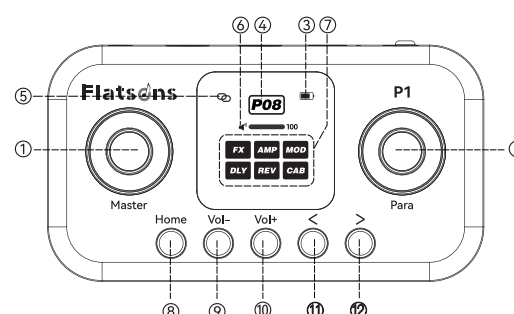


- ① **Power switch.**
② **USB Jack:** Use to charge the battery(The P1 can be sound card of computer/Computer software can be connected for interactive data transmission/OTG recording/support MIDI Pedal.
③ **BT:** P1 can be used as an audio interface with a cellphone, use a OTG converter (separately buying) and accessory USB cable to connect the cellphone, then enter any video/audio recording APP for direct recording or playback music.
④ **Charging indicator:** When the battery is normally using, the indicator will go off. During charging, the indicator will stay red, then it will change to a different color after fully charging.
⑤ **Earphone output.**
⑥ **IN 1/4" MONO audio input jack.**
⑦ **OUT: 1/4" MONO audio output jack.**

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Front panel

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- ① Master, Control the volume (Note: The BT volume and USB input volume are not controlled by this knob.)
② PARA knob (Rotary encoder with button), Rotate it to select items or adjust parameters, Click it to enter, exit, or confirm the items. Press and hold for 1 second to display the "Save to" screen, Press and hold for 2 second to display the "Swap to" screen. When on the "Save to" or "Swap to" screen, if you click the HOME button, you can exit and return to "Main Display Screen".
③ Battery status pattern.
④ Preset number. When this number is selected using the PARA knob, rotate it to quickly switch Presets. P1 includes 80 Presets, with the first 40 (P01-P40) containing default factory effects, there into the P36-P40 were designed for bass. When you need the factory reset, you can separately reset these 40 Presets to the default values. If you want reset all the 80 Presets, It is also feasible.
⑤ Wireless BT pattern. When the pattern is off, it indicates that BT is not enabled. A white pattern indicates that BT has started but is not connected. The blue pattern indicates that BT is successfully connected.
⑥ The volume of current Preset.

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Front panel

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⑦ This diagram shows the order and the on/off state of the 6 effect Modules. If the pattern is off, the effect is not enabled. If the pattern is on, the effect is started. If all 6 patterns are off, the P1 is in Bypass state.
⑧ HOME Button /BT switch Button, click the HOME button to display the Main Display Screen on the screen, then press the HOME button again to enter the Module Operation Screen. Besides, you can hold this button to turn on/off the BT.

"Main Display Screen" is the home page displayed right after the power is turned on. You can directly see the key information and settings of the current Preset, you can also know about battery conditions and other information and so on.

Module Operation Screen. On this interface, you can view the specific effects used in the current preset and adjust the connection sequence of the 6 modules.

⑨ VOL- Button, preset volume reduction by 5.
⑩ VOL+ Button, preset volume increase by 5.
When both the VOL- and VOL+ buttons are pressed simultaneously, it enters the tuner mode. Then, by clicking any one of the buttons, the tuner mode can be exited.

⑪ Jack input volume real-time display bar
⑫ Tips: The tuner interface is shown in the picture. There are two items to choose from in this interface, the "refer to" item is to select the standard A's frequency 432-450Hz, the "reference" item is the input volume of "Bypass" status.

⑬ Button, used for selecting the preset item in the downward direction.

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Front panel

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⑭ Button, used for selecting the preset item in the upward direction. When both the < & > buttons are pressed simultaneously, the BANK mode is entered. Four presets form one group. Pressing the VOL- & VOL+ buttons simultaneously is equivalent to BANK+. Pressing the < & > buttons simultaneously is equivalent to BANK-. The VOL- button represents the first preset in the group, the VOL+ button represents the second preset, the < button represents the third preset and the > button represents the fourth preset. Pressing the HOME button exits the BANK mode.

When the first preset number area turns yellow, the effect is currently set to preset 01. When the VOL+ button is pressed, the second preset number area turns yellow at this moment, and the preset 02.

When entering the BANK mode, simultaneously press the < & > buttons or simultaneously press the VOL- & VOL+ buttons. At this time, the preset number at the top will not change, and the 4 preset number areas below will flash. When pressing one of the buttons VOL-, VOL+, <, >, the timbre will jump to the timbre corresponding to the button, quality, the corresponding preset number area below will light up a yellow light, and the preset number at the top will change.

Effectors module

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I: FX Module/FX module can select Noise Gate or NG+Boost or NG+Compress, three collocation ways you can use 6+1 effect at the same time.

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1. Noise Gate++

● Gate parameter, Adjust the intensity of AI Noise Gate, When set to 0, the effect is turned off.

2. Boost(Noise Gate can be added)

● Gate parameter, Adjust the intensity of AI Noise Gate, When set to 0, the Noise Gate is turned off.
● Gain parameter, Adjust the gain of the Boost.

3. Compress(Noise Gate can be added)

● Gate parameter, Adjust the intensity of AI Noise Gate, When set to 0, the Noise Gate is turned off.
● Sustain parameter, Adjust the compression amount.
● Attack parameter, The starting time of the compressor after the signal exceeds the threshold, the larger the value, the slower the signal enters the threshold, the larger the value, the slower the signal enters the threshold, the larger the value, the slower the signal enters the threshold.
● Level parameter, Use this parameter to adjust the output volume of this Module again.

4. AI Gate MS, the intelligent algorithm based on the statistical deviation tracking model.

● Gate, The threshold for opening the Gate. It continuously monitors the level intensity of the input signal. The higher the threshold is set, the more stringent the conditions for the Gate to open, and only stronger signals can pass through. Conversely, the lower the threshold, the more signals can pass.
● Bias, By setting the Bias lead, the AI noise reduction model can be made to "prepare" in advance for the upcoming noise or signal changes. In audio noise reduction, if the changing trend of the noise can be predicted in advance and the bias is adjusted accordingly, the model can more accurately suppress the noise when it appears, reducing the interference of the noise on the useful signal and improving the timeliness and accuracy of noise reduction.

II: AMP Module (1-15 is guitar preamp, 16-20 for bass preamp)

● Gain
● Level
● Bass
● Mid
● Treble

III: Modulation Module(Support TAP function)

1. Chorus

● Speed
● Depth
● Mix, Adjust the dry and wet ratio.

2. Phaser

● Speed
● ParamA, MidCut, the larger the value, the greater the midfrequency reduction of the effect, this parameter is mainly designed for distortion timbre.
● ParamB, Resonance, resonance intensity adjustment of phase effect.
● Feedback, Adjust the feedback amount of Phaser.

3. Tremolo, it is basically a change of the signal level controlled by an Low-Frequency Oscillator.

● Speed
● Depth
● Level parameter, Use this parameter to adjust the output volume of this Module again.

4. Flanger, it is used the same principle as Chorus, but it uses a shorter delay time and adds regeneration(or repeats) to the modulating delay. This results in an exaggerated up and down sweeping motion to the effect.

● Speed
● Depth
● Feedback, Adjust the amount of feedback for the sweep effect in wet sound.
● Mix, Adjust the dry and wet ratio.

5. Vibrato, The vibrato effect modulates the pitch of the incoming signal. The result is similar to the Tremolo technique used by vocalists.

In contrast to a Chorus or Flanger effect, no direct signal is combined with the pitch-modulated signal.

6. Unvibe, a unique timbre, a combination of chorus and phaser.

● Speed
● Depth
● Mix

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7. Autofilter, filter works regularly by setting the frequency, both guitar and bass can be used.

● Speed
● Min, Minimum frequency of the filter sweep frequency, when the value is turned up, the middle and low frequency parts of the wet sound are more prominent.
● Max, Maximum frequency of the filter sweep frequency, when the value is turned up, the middle and high frequency parts of the wet sound are more prominent.
● Mix
● Feedback

IV: Delay Module(Support TAP and Freeze function)

1. **Analog**, It is the delay effect of the signal of the analog tube, and the timbre has the characteristics of retro and warm.
● Time, adjust the feedback speed of echo repeats, 600-600pm.
● Feedback, the feedback times of echo repeats.
● Mix, Adjust the dry and wet ratio.
● Phaser, the Phaser effect is increased in the Delay wet sound. This parameter can adjust the amount of Phaser used.
● Pitch: We add a little detuning effect to the delay wet sound, this parameter adjusting the pitch of the detuning effect, which is a slightly shifted sound, a retro and charming sound.

2. **Ducking Delay**, When we process the delayed wet sound, we add the Noise Gate to the part before the wet sound. Thus, the front part of the wet sound is suppressed to achieve a front evasive effect, and the sound is gradually increased, the dynamics of the delay are more 'felt' than 'heard'.
● Time, adjust the feedback speed of echo repeats, 600-600pm.
● Feedback, the feedback times of echo repeats.
● Mix, Adjust the dry and wet ratio.
● Unpack, After this parameter is turned up, the sudden rise in the volume of the wet rear part can be unpacked, so as to achieve a smoother delay dynamic.

● Speed, the Chorus effect is increased in the Delay wet sound. This parameter can adjust the speed of Chorus used.
● Depth, this parameter adjusts the depth of the Chorus.

3. **dTape, Tape delay**, it replicates the unique delay style of tape machine, you can not only get the warmth and silky of professional

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grade tape machine, but also simulate the sound effects of tape in real situations such as CRINKLE, BIAS, and so on.

● Time, adjust the feedback speed of echo repeats, 600-600pm.
● Feedback, the feedback times of echo repeats.
● Mix, Adjust the dry and wet ratio.
● Grit, the GRT takes on the function of TAPE BIAS. This parameter adjusts tape machine bias, from under biased to over-biased, it sounds like an overdrive of wet sounds. Bias sets the dynamic range and headroom of the wet signal.
● Speed, the SPEED takes on the function of TAPE CRINKLE. This parameter adjusts the amount and severity of tape irregularities, including friction, creases, sibilance and contaminants. Tape Crinkle characteristics track accordingly to tape speed. Set to minimum for a fresh, clean tape. Set to maximum for a tape that has been mangled and chewed for years.
● Depth, This parameter control varies the amount of mechanically related tape speed fluctuations. This also results in natural tape machine style modulation, it's like a chorus. Parameter minimum for a more tuned, cleaned and serviced tape machine. Parameter maximum to hear the sound of a tape machine in need of service. In between the extreme settings, a natural tape modulation is achieved.

4. **Dual Delay**, two independent delay echoes, the time-lag of the first echo and the second echo achieves a very interesting delay rhythm effect.
● Time, adjust the feedback speed of echo repeats, 1200-1200pm.
● Feedback, the feedback times of echo repeats.
● Mix, Adjust the dry and wet ratio.
● Time-Mode, Adjust the time-lag between the two echoes, the minimum is the equivalent of no time-lag, and the greater the number, the greater the time-lag.
● Speed, the Chorus effect is increased in the Delay wet sound. This parameter can adjust the speed of Chorus used.
● Depth, this parameter adjusts the depth of the Chorus.

5. **LoFi Delay**, a special, retro and destructive delay effect, the wet sound reflects the filter, the vinyl record, the noise lo-fi and many other senses.
● Time, adjust the feedback speed of echo repeats, 600-600pm.
● Feedback, the feedback times of echo repeats.
● Mix, Adjust the dry and wet ratio.

6. **Spring reverb**, it is a common type of reverberation. The sound signal is transmitted to the spring tank, and the pickup picks up the resonant sound of the spring tank, to mimics the reverberation effect produced in space.

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● Grit, When the parameter is turned up, it sounds like a overdrive wet sound.

● Speed, the Chorus effect is increased in the Delay wet sound. This parameter can adjust the speed of Chorus used.
● Depth, this parameter adjusts the depth of the Chorus.

V: Reverb Module

1. **Room reverb**, it simulates a relatively small, simple-structured room sound where many reflections are absorbed by soft material in the room, and sound is reflected by walls.
● Decay, Adjust the duration of echo.
● Mix, Adjust the ratio of wet and dry.
● HPass, HIGH pass, only used to regulate wet sound.
● LPass, Low pass, only used to regulate wet sound.
● Depth, the pitch of wet sound produces a small cyclical rise and fall, you will hear vintage and charming background sound.

2. **Hall reverb**, it gives a wide, slightly scattering feeling, it simulates a grand ambient sound.
● Decay
● Mix
● HPass
● LPass
● Depth

3. **SWELL reverb**, the Swell machine brings in the reverb gradually behind the dry signal for subtle evolving textures, like having a volume pedal on the wet sound.
● Decay
● Mix
● HPass
● LPass
● Depth

4. **IR: CAB Module** (1-15 is guitar CAB simulator, 16-20 is bass CAB simulator)
● Level
● Low cut, Adjust the low cut point, optionally 20-300 Hz. If you choose 300 Hz, it means that low frequencies below 300 Hz are suppressed.
● High cut, Adjust the high cut point, optionally 18000-5000 Hz. If you choose 5k Hz, it means that high frequencies above 5000 Hz are suppressed.

5. **Spring reverb**, it is a common type of reverberation. The sound signal is transmitted to the spring tank, and the pickup picks up the resonant sound of the spring tank, to mimics the reverberation effect produced in space.

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● Decay
● Mix
● HPass
● LPass
● Combs, control the number of springs.

5. **Shimmer reverb**, there is a pitch-shift sound in the wet sound. Adjust the pitch of the pitch-shift sound, you can get the dissonant interval, create a scary background sound. You also can get the harmonic interval, it's a wonderful sound, a resplendent and unearthly ambience. The Amount parameter allow for a range of shimmer effects from laid-back and subtle to full-blown majestic splendor.
● Decay
● Mix
● Tone, Adjust the brightness of the reverb wet sound.
● Pitch, Adjust the pitch of the pitch-shift sound, the minimum value is the same as the original sound, the maximum value is two octaves above the original sound.
● Amount, adjust the amount of pitch-shift sound.

6. **Cloud reverb**, is a gorgeous large ambient reverberation, it sounds like the music come from all sides of the cloud. Cloud reverb can take any modest guitar or synth sound and turn it into a gorgeous ensemble.
● Decay
● Mix
● HPass
● LPass

7. **Diffusion**, softens the early reflections to create a more diffused reverb. As Diffusion is increased, the reverb is smoothed and softened, the delay and reverberation mix together more naturally.
● Decay
● Mix
● HPass
● LPass

8. **RiseTime**, it adjusts the rise time of the swelled signal, I suggest you choose 300 Hz, it means that low frequencies below 300 Hz are suppressed.

9. **Spring reverb**, it is a common type of reverberation. The sound signal is transmitted to the spring tank, and the pickup picks up the resonant sound of the spring tank, to mimics the reverberation effect produced in space.

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Technical parameters

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Input	Standard 1/4" Mono Jack (TS)
Output	Standard 1/4" Mono Jack (TS), 1/8" Stereo Jack (TRS)
Sample Rate	44.1KHz/24bit
Dimensions	120(L) × 65(W) × 44.3(H)mm
Weight	145g
Power Supply & USB Data Transmission	USB (Type-C)
Rated Battery Capacity	2000mAh
Battery Model Specification	DT704060
Nominal Battery Voltage	3.7V
Battery life	Approximately 9 hours
Rated Charging Voltage & Current	5V=0.5A
Dynamic Range	105dB
Total Number of Effects	60+
Effects Slots/Effects Modules	6+1 can be used simultaneously; effect order is customizable
Number of Presets	40+40
USB Audio (OTG Internal Recording)	44.1K/24bit; internal recording Loopback can be independently enabled/disabled
USB MIDI	Supported
BT Accompaniment	Supported
Tone Editing Software Support	WINDOWS,MAC,IOS,Android
Third-Party IR File Format Requirements	44.1K/24bit, mono WAV file, 1024/2048 sample points
Power Supply Method	Built-in rechargeable battery or USB
AMP Amplifier Simulation	20 types (15 electric guitar amplifiers & 5 bass amplifiers)
IR CAB Cabinet Simulation	20 types (15 electric guitar cabinets & 5 bass cabinets)
Operating Current	Approximately 200mA
Included in Package	USB CableX1

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Other

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● APP using tips:

Before operation, make sure that the BT of the cellphone and P1 are both turned on, then run the APP and click the "E" button, click the "Current Device" and select the "P1", then scan nearby devices, you can connect to use.

● **Dual-mode BT:**
P1. Used to receive wireless audio input from mobile phone media to the effector, supporting backing track playback.
P1.BLE: Corresponding to the mobile app M-EFCS, designed for synchronous control and parameter adjustment of the effector. Note: P1.BLE remains in a "hidden" state before the first pairing. It will only appear in the mobile phone's BT settings list after successful pairing via the M-EFCS app. The two BT modules operate completely independently—turning off one will not affect the operation of the other.

● Can support wired/wireless connection MIDI pedal (MIDI pedals need to be purchased separately, Chocolate Plus pedal as an example), so as to achieve the purpose of expanding the Footswitches.
1. The following functions can be achieved: 4 Presets can be realized as a Bank, Bank+ and Bank-, all the Presets can be freely loaded.
2. Six modules can be switched on and off by pressing the external footswitches.
3. You can use the first footswitch to replace the Home button, the second Footswitch to replace the PARA button "press" action, and the third and fourth to replace the PARA button "turn counterclockwise" and "turn clockwise".

● **Tip:** Loopback function, a common function on sound cards, can be enabled or disabled in software. It is set to the "on" position in factory condition. When the function is turned on, the music in the computer/mobile phone will be recorded at the same time with the instrument sound, it's the same track mixed recording, including USB and BT music. If the function is turned off, when using the P1 as a sound card for recording, only the IN-interface instrument sounds can be recorded, which is more convenient for sub-track recording of instrument sounds during computer recording.

● We will continue to improve our products and reserve the right to modify certain functions and specifications (including but not limited to appearance, packaging design, operation manual, accessories, dimensions, specifications, displays, etc.) without prior notice. Please confirm the product functions and specifications with the local distributor before the purchase. Product pictures and color due to the light error and screen admiration setting. It may be different from the physical product effect. Please refer to the physical object accordingly.

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FCC Warning Statement

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★ Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

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FCC Warning Statement

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P1 英文说明书排版-Flatsons						备注
版本	V05	比例	1:1	日期	2025-12-24	总共18P 1.P2, P13 修改 2.OTHER 内容修改, 增加封底, 图增加LOGO, 共18P 3.P14二维码修改 4.P14.15.16修改, 材质修改
排版	李丽华	印刷	黑白双面印刷	尺寸	折后80x120mm	
材质	128g铜版纸	工艺	风琴折			
审核	陈景然/吴颖暖/客户			公司	珠海笙科智能科技有限公司	