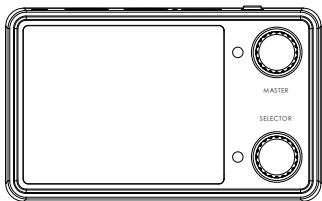


NANOCORE

Mini Multi-Effect Processor

用户手册 CN



※本公司有权对产品进行持续升级与优化，可随时调整产品的外观、规格参数、包装设计、配套配件及相关细节，前述调整恕不另行通知。产品图片因拍摄光线、设备屏幕显示差异等因素，可能与实物存在轻微色差，仅供参考。为确保您选购到符合需求的产品，请在购买前向当地经销商确认产品实际功能及规格。

目录

使用须知	01
面板介绍	02
界面介绍	03
主界面	03
全局设置界面	04
效果链界面	05
调音表界面	05
模块参数界面	06
预设保存操作	06
BT功能	07
配套软件	08
声卡功能	08
效果列表	08-20
MIDI 控制	20
规格参数	21
常见故障排查	22-23

使用须知

电源规格匹配： 本设备采用 USB Type-C 接口供电，请务必使用符合 DC 5V 1A 规格的电源适配器进行充电或持续供电。

内置电池管理： 设备内置 1300mAh 锂电池，支持边充边用。充电时指示灯显示为红灯常亮，充满电后指示灯转为绿色。若长时间不使用本设备，建议每隔几个月为其充电一次，以保护锂电池寿命。

避免极端环境： 请勿将设备暴露在极高温（如阳光直射的汽车仪表盘上）或极度潮湿的环境中，以防电池过热或内部电路短路。

设备连接与听力保护

保护听力与设备： 在佩戴监听耳机（接入 3.5mm PHONES 接口）或连接外部吉他音箱/调音台之前，请务必先将 MASTER 旋钮（总输出音量）调至最低。佩戴/连接完毕后，再缓慢增加音量至舒适的听觉水平。

安全插拔线材： 在接入或拔出 6.35mm 乐器输入线（INPUT）和输出线（OUTPUT）时，请尽量保持效果器或后端扩声设备处于静音或低音量状态，以免产生瞬间的爆音损坏音箱喇叭。

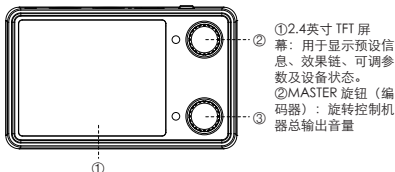
正确区分接口： 请认准单声道与立体声接口。吉他等乐器请接入 6.35mm TS 单声道输入（阻抗 $1M\Omega$ ）；监听耳机请接入 3.5mm TRS 立体声输出（阻抗 16Ω ），切勿混接以免造成声音异常或设备损坏。

屏幕与旋钮操作保护

温柔操作： 面板上的 TFT 屏幕及编码器旋钮（MASTER / SELECTOR）为精密电子部件，请勿用力按压屏幕或暴力旋转、敲击旋钮，以免造成不可逆的物理损坏。

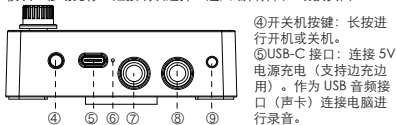
断电保存： 在进行“覆盖保存（REPLACE）”或“交换保存（SWAP）”的高级操作时，请确保设备电量充足或已连接电源，切勿在保存进度中强制关机，以免预设数据丢失。

面板介绍



（在非主界面旋转时，屏幕会有弹窗提示当前总输出音量）。短按作为 Home 键，返回主界面。长按进行预设保存操作。

③ SELECTOR 旋钮（编码器）：旋转调节参数值、切换预设/模块、移动光标。短按确认选择、进入编辑界面、切换页面。



连接官方电脑上位机软件进行参数精调、预设管理、IR 导入、更换系统主题、语言及固件升级。支持 USB MIDI 协议连接控制设备。搭配 OTG 转接器连接手机/平板实现音画同步的数字录音。

⑥充电指示灯：充电时红灯常亮，充满后转为绿色。

⑦6.35mm TS 输入接口：单声道输入，用于连接吉他/贝斯等乐器。

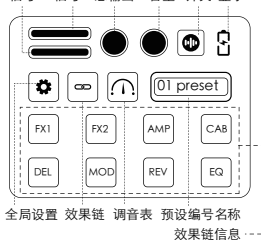
⑧6.35mm TS 输出接口：单声道输出，用于连接音箱或调音台设备。

⑨3.5mm TRS 输出接口：立体声输出，用于连接监听耳机。

界面介绍

主界面

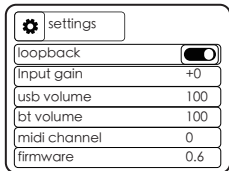
输出 输入 MASTER 预设 BT 电量
信号 信号 总输出 音量 开关 显示



开机后默认进入主界面。

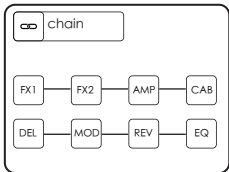
通过旋转和短按 SELECTOR 旋钮可访问主界面的各项功能。

全局设置界面



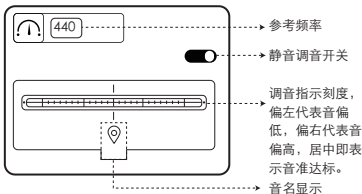
菜单项	参数范围	功能描述
Loopback	On / Off	开启后，通过 USB 或 BT 输入的外部音频，可混合吉他信号再次通过 USB 录入。
Input Gain	-20dB ~ +20dB	调节乐器输入的增益。
USB Volume	0 ~ 100	调节 USB 接口输入的音频音量。
BT Volume	0 ~ 100	调节BT输入的音频音量。
MIDI Channel	0 ~ 16	MIDI 通道：0~16用于设置设备接收MIDI 控制通道；通道设为0时，开启全通道模式。
Firmware	版本号	显示当前设备运行的固件版本。

效果链界面



在效果链界面中，转动 SELECTOR 旋钮选定特定的效果模块，选中后移动该模块的位置，即可自定义音频信号经过效果器的先后顺序。

调音表界面

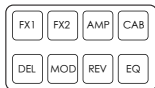
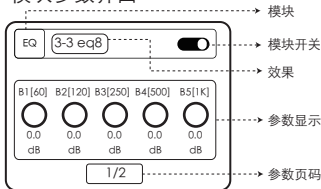


用 SELECTOR 旋钮旋转选择参考频率调节或静音调音开关。

参考频率：可调范围 400Hz ~ 480Hz（默认 440Hz）。

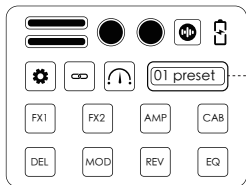
静音调音：默认打开，调音时输出静音。

模块参数界面

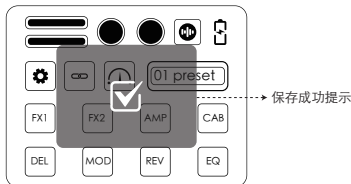


进入模块：在主界面选中任意模块图标，短按 SELECTOR 旋钮即可进入。
调节与翻页：旋转 SELECTOR 旋钮可调节具体的效果参数；当参数超过一页时，也可通过该旋钮进行页码切换。

切换与开关：界面会直观显示当前所在的模块与效果。您可以使用 SELECTOR 旋钮灵活地选定并切换不同的模块/效果，以及控制当前模块的开启与关闭。



预设保存操作



操作步骤

在主界面下：

长按 MASTER 旋钮，屏幕中预设编号和预设名称开始闪烁。
旋转 SELECTOR 旋钮，选择你想要覆盖或交换位置的目标预设。
短按 SELECTOR 旋钮，旋转选择 REPLACE（覆盖）或 SWAP（交换）模式。

再次短按 SELECTOR 旋钮确认保存，屏幕弹出保存成功提示。

在非主界面下：

长按 MASTER 旋钮，直接保存当前预设参数，屏幕弹出保存成功提示。

BT

nanocore 内置完全独立的双模 BT模块，两者可单独开启或关闭，互不干扰。

Nanocore Audio（BT音频）：用于接收手机或平板的媒体音频。连接后，可将手机音乐作为伴奏输入至效果器。

Nanocore Midi（数据BT）：用于连接官方手机 APP，实现双向参数同步控制与修改。

注意：Nanocore Midi 模块在首次配对前处于“隐藏”状态。请务必直接在官方手机 APP 内部完成配对，配对成功后，该名称才会显示在手机系统的BT设置列表中。

配套软件

将 Nanocore 连接至电脑或手机，即可使用免费的配套软件对您的设备进行全面管理，如调节音色、导入/导出预设文件、导入 NAM 文件、加载第三方 IR 文件以及恢复出厂设置等。软件支持电脑端（Windows、Mac）及移动端（Android、iOS）。请访问 www.LIVTRAMUSIC.com 下载安装即可使用。



声卡功能

设备支持免驱 USB 声卡功能，连接电脑即可自动识别为 Nanocore，同时支持通过 OTG 直连手机或平板进行高品质内录与直播。

效果列表

FX1		
效果名称	效果描述	参数说明
1-4 gate	消除低电平底噪，净化演奏信号	Threshold: 设定噪声门的信号临界电平 (-100.0~0.0 dB)
2-4 auto gate	自适应噪声门，随信号动态自动适配阈值	无手动调节参数，设备自动检测并适配信号电平变化

FX1		
效果名称	效果描述	参数说明
3-4 NG-Com	噪声门 + 压缩二合一，同步优化底噪与动态范围 平滑音量波动，	Gate: 噪声门阈值 (-100.0~0.0 dB) Threshold: 压缩触发临界电平 (-60.0~0.0 dB) Ratio: 压缩强度比 (1.1:1~20.0:1) Knee: 压缩过渡软硬 (0.0~24.0 dB) Attack: 压缩启动时间 (0.0~200.0 ms) Release: 压缩释放时间 (0.0~1000.0 ms) Makeup: 压缩后增益补偿 (-24.0~24.0 dB)
4-4 compressor	稳定音色质感	Threshold: 压缩触发临界电平 (-60.0~0.0 dB) Ratio: 压缩强度比 (1.1:1~20.0:1) Knee: 压缩过渡软硬 (0.0~24.0 dB) Attack: 压缩启动时间 (0.0~200.0 ms) Release: 压缩释放时间 (0.0~1000.0 ms) Makeup: 压缩后增益补偿 (-24.0~24.0 dB)

FX2		
效果名称	效果描述	参数说明
1-11 scream	基于 Ibanez TS9 单块建模音色	Gain: (0.0到1.0) Tone: (0到100) Level: (0到100)
2-11 Klone	基于 Ryra The Klone 单块建模音色	
3-11 OCD	基于 Fulltone OCD 单块建模音色	
4-11 DS2	基于 Boss DS-2单块建模音色	
5-11 PIFUZZ	基于 EHX Big Muff Pi 单块建模音色	
6-11 Range	基于 Dallas-Arbiter Rangemaster 单块建模音色	Boost: (0.0到1.0)
7-11 XAC	基于 Xotic AC Booster 单块建模音色	
8-11 Fiman	基于 Friedman Marty Friedman 单块建模音色	
9-11 Pitch	移调效果, 改变信号音程	Pitch: 移调音程 (-12~12 st) Fine: 音高微调 (-1.00~1.00) Mix: 干湿比 (0~100)

FX2		
效果名称	效果描述	参数说明
10-11 env wah	包络哇音，随演奏力度自动触发滤波扫频	Freq: 哇音中心频率 (10.0~20kHz) Env: 包络灵敏度 (0.00~20kHz) Q: 滤波共振强度 (0.1~20.0) Mix: 干湿比 (0~100)
11-11 auto wah	自动哇音，按设定波形循环扫频滤波	Freq: 哇音中心频率 (163~3.5kHz) Sweep: 扫频范围 (0~100) Rate: 扫频速度 (0.00~8.00Hz) Shape: 扫频波形 (0~100) Mix: 干湿比 (0~100)

AMP	
参数说明	Gain: 调节音色增益度 (0.0~1.0) Bass: 调节低频厚度与下潜 (-10.0~10.0dB) Mid: 调节中频核心突出度 (-10.0~10.0dB) Treble: 调节高频亮度与清晰度 (-10.0~10.0dB) Level: 调节模块整体输出电平 (-10.0~10.0dB)
效果名称	效果描述
1-30 BogXTC1	基于 Bogner XTC 前级建模音色1
2-30 BogXTC2	基于 Bogner XTC 前级建模音色2
3-30 ENGP1	基于 ENGL Powerball E645 前级建模音色1
4-30 ENGP2	基于 ENGL Powerball E645 前级建模音色2
5-30 Fd59Bm	基于 Fender 59 Bassman 前级建模音色

AMP	
效果名称	效果描述
6-30 Fd65Dk	基于 Fender 65 Darkface 前级建模音色
7-30 Hiw103	基于 Hiwatt DR103 前级建模音色
8-30 MarDSL1	基于 Marshall DSL50 前级建模音色1
9-30 MarDSL2	基于 Marshall DSL50 前级建模音色2
10-30 Mar8001	基于 Marshall JCM800 前级建模音色1
11-30 Mar8002	基于 Marshall JCM800 前级建模音色2
12-30 MesR1	基于 Mesa Boogie Rectifier 前级建模音色1
13-30 MesR2	基于 Mesa Boogie Rectifier 前级建模音色2
14-30 MesR3	基于 Mesa Boogie Rectifier 前级建模音色3
15-30 OgG120	基于 Orange Graphic 120 前级建模音色
16-30 Pey51501	基于 Peavey 5150 前级建模音色1
17-30 Pey51502	基于 Peavey 5150 前级建模音色2
18-30 Pey6505 19-30 RanT21	基于 Peavey 6505 前级建模音色
20-30 RanT22	基于 Randall T2 前级建模音色1
21-30	基于 Randall T2 前级建模音色2
RoJC120	基于 Roland JC-120 前级建模音色
22-30 SLO1001 23-30 SLO1002	基于 Soldano SLO-100前级建模音色1
24-30 SLO1003	基于 Soldano SLO-100 前级建模音色2
	基于 Soldano SLO-100 前级建模音色3

AMP	
效果名称	效果描述
25-30 VXAC30 26-30	基于 VOX AC30 前级建模音色
ApSVTVR 27-30	基于 Ampeg SVT VR 前级建模音色
ApSVTCL 28-30 Adn900	基于 Ampeg SVT-CL 前级建模音色
29-30 Hiw320	基于 Ashdown ABM900 EVO II 前级建模音色
30-30 MarSup	基于 Hiwatt Jupiter 320 前级建模音色
	基于 Marshall Super Bass 前级建模音色

CAB	
参数说明	Low Cut: 低频切除, 滤除多余浑浊低音 (20.0~500 Hz) High Cut: 高频切除, 削减尖锐高频毛刺(2k~20kHz)
效果名称	效果描述
1-30 Bog412A	基于 Bogner 4×12 箱体音色A
2-30 Bog412B	基于 Bogner 4×12 箱体音色B
3-30 Eng412A	基于 ENGL E412 ProVintage30 4×12 箱体音色A
4-30 Eng412B	基于 ENGL E412 ProVintage30 4×12 箱体音色B
5-30 FdTR212	基于 Fender Twin Reverb Darkface 2×12 箱体音色
6-30 Fd59BM410	基于 Fender 1959 Bassman 4×10 箱体音色
7-30 Hiw412	基于 Hiwatt Brilliant 4×12 箱体音色
8-30 Mar412A	基于 Marshall V30 4×12 箱体音色A

CAB	
效果名称	效果描述
9-30 Mar412B	基于 Marshall V30 4×12 箱体音色B
10-30 Mar96412A	基于 Marshall 1960B 4×12 箱体音色A
11-30 Mar96412B	基于 Marshall 1960B 4×12 箱体音色B
12-30 Mes412A	基于 Mesa/Boogie Oversized V30 4×12 箱体音色A
13-30 Mes412B	基于 Mesa/Boogie Oversized V30 4×12 箱体音色B
14-30 Mes412C	基于 Mesa/Boogie Oversized V30 4×12 箱体音色C
15-30 Og412	基于 Orange Vintage30 4×12 箱体音色
16-30 pey412A	基于 Peavey 5150 4×12 箱体音色A
17-30 pey412B	基于 Peavey 5150 4×12 箱体音色B
18-30 peyVk412	基于 Peavey Valveking 4×12 箱体音色
19-30 Ran112A	基于 Randall RD112 1×12 箱体音色A
20-30 Ran112B	基于 Randall RD112 1×12 箱体音色B
21-30 Ran112C	基于 Randall RD112 1×12 箱体音色C
22-30 SLO412A	基于 Soldano SLO412 4×12 箱体音色A
23-30 SLO412B	基于 Soldano SLO412 4×12 箱体音色B
24-30 SLO412C	基于 Soldano SLO412 4×12 箱体音色C
25-30 AC30212	基于 VOX AC30 2×12 箱体音色
26-30 AP810	基于 Ampeg 8×10 箱体音色
27-30 Ap410	基于 Ampeg SVT 4×10 箱体音色
28-30 Adn410	基于 Ashdown 4×10 箱体音色
29-30 HiwB410	基于 Hiwatt B410 4×10 箱体音色
30-30 Mar412	基于 Marshall 4×12 箱体音色

DEL		
效果名称	效果描述	参数说明
1-8 bbd	经典 BBD 模拟延迟，复古温暖磁带延时质感	Delay: 调节延时时间(1~2000ms) Feedback: 调节延时重复次数(0~95) Age: 调节复古老化程度(0~100) Mix: 调节延时干湿比(0~100)
2-8 digital	纯净数字延迟，音色干净通透，适配各类曲风	Time: 调节延时时间(0.1~3000ms) Feedback: 调节延时重复次数(0~95) Mix: 调节延时干湿比(0~100)
3-8 duck	闪避延迟，演奏时自动压低延时尾音，避免音色浑浊	Time: 调节延时时间(0.1~3000ms) Feedback: 调节延时重复次数(0~95) Filter: 调节延时滤波色调(0~100) Mix: 调节延时干湿比(0~100)
4-8 lce	冰霜移调延迟，延时声附带音程偏移，空灵氛围感强	Time: 调节延时时间(0.1~3000ms) Feedback: 调节延时重复次数(0~95) Interval: 调节延时移调音程(-12~12st) Mix: 调节延时干湿比(0~100)
5-8 reverse	反向延迟，反向回放延时信号，营造梦幻空间效果	Time: 调节延时时间(0.1~3000ms) Feedback: 调节延时重复次数(0~95) Mix: 调节延时干湿比(0~100)
6-8 lofi	低保真延迟，比特率失真营造复古老旧磁带质感	Time: 调节延时时间(2.0~3000ms) Feedback: 调节延时重复次数(0~95) Bit Depth: 调节音频比特深度(4~16b) LoFi Mix: 调节低保真效果占比(0~100) Mix: 调节整体干湿比(0~100)

DEL		
效果名称	效果描述	参数说明
7-8 smear	弥散延迟, 软化模糊延时信号, 营造柔和空间弥散感	Time: 调节延时时间(0.1~3000ms) Feedback: 调节延时重复次数(0~95) Smear: 调节信号弥散模糊程度(0~100) Filter: 调节延时滤波色调(0~100) Mix: 调节延时干湿比(0~100)
8-8 mod	调制延迟, 延时自带颤音波动, 音色层次更丰富	Time: 调节延时时间 (0.1~3000ms) Feedback: 调节延时重复次数 (0~95) Mod Depth: 调节调制深度 (0.0~20.0ms) Mod Rate: 调节调制速度 (0.05~5.00Hz) Mix: 调节延时干湿比(0~100)

MOD		
效果名称	效果描述	参数说明
1-5 chorus	经典合唱效果, 拓宽声场层次, 音色饱满厚实	Rate: 调节合唱调制速度(0.10~3.74Hz) Depth: 调节合唱调制深度 (0.00~1.00ms)
2-5 phaser	相位效果, 周期性扫频波动, 音色富有流动旋转感	Rate: 调节相位扫频速度(0.05~5.00Hz) Feedback: 调节相位反馈强度(-95~95) Mix: 调节效果干湿比(0~100) Rate: 调节镶边调制速度(0.05~5.00Hz)
3-5 flanger	镶边效果, 梳状滤波营造空灵悬浮金属质感	Feedback: 调节镶边反馈强度(-95~95) Mix: 调节效果干湿比(0~100)

MOD		
效果名称	效果描述	参数说明
4-5 tremolo	音量颤音，按波形周期性起伏变化音量	Rate: 调节颤音波动速度(0.01~20.0Hz) Depth: 调节颤音起伏深度(0~100) wave: 选择调制波形 (Sine/Triangle/Square/Saw) Smooth: 调节波形过渡平滑度 (0.00~40.0Hz) Mix: 调节效果干湿比(0~100)
5-5 vibrato	音高颤音，音高周期性小幅波动润色音色	Rate: 调节音高波动速度(0.01~20.0Hz) Depth: 调节音高颤音深度 (0.0~20.0ms) wave: 选择调制波形 (Sine/Triangle/Square/Saw) Mix: 调节效果干湿比 (0~100)

REV		
效果名称	效果描述	参数说明
1-7 room	房间混响，模拟小型室内空间，声场紧凑自然	Decay: 调节混响衰减时长(0.5~12.0s) Pre Delay: 调节预延迟时间 (0.0~80.0ms) Tone: 调节混响音色明暗(0~100) Mod: 调节混响内部调制感(0~100) Mix: 调节混响干湿比(0~100)

REV		
效果名称	效果描述	参数说明
2-7 plate	板式混响，经典金属板复古音色，温暖顺滑	Decay: 调节混响衰减时长(0.5~12.0s) Pre Delay: 调节预延迟时间(0.0~80.0ms) Tone: 调节混响音色明暗 (0~100) Mod: 调节混响内部调制感 (0~100) Mix: 调节混响干湿比 (0~100)
3-7 hall	大厅混响，模拟大型音乐厅，空间宽阔宏大	Decay: 调节混响衰减时长 (0.5~12.0s) Pre Delay: 调节预延迟时间 (0.0~80.0ms) Tone: 调节混响音色明暗 (0~100) LF Damp: 调节低频衰减阻尼 (0~100) Mix: 调节混响干湿比 (0~100)
4-7 concert	演奏厅混响，声场通透规整，适合独奏演奏	Decay: 调节混响衰减时长(0.5~12.0s) Pre Delay: 调节预延迟时间(0.0~80.0ms) HF Damp: 调节高频衰减阻尼(0~100) Mod: 调节混响内部调制感(0~100) Mix: 调节混响干湿比(0~100)
5-7 spring	弹簧混响，复刻老式音箱弹簧回响，复古摇滚质感	Decay: 调节混响衰减时长(0.0~12.0s) Pre Delay: 调节预延迟时间(5.0~80.0ms) Crossover: 调节高低频分频点(800Hz~8kHz) Mod: 调节混响内部调制感(0~100) Mix: 调节混响干湿比(0~100)

REV		
效果名称	效果描述	参数说明
6-7 shimmer	闪烁混响，带移调泛音，营造空灵梦幻氛围	Decay: 调节混响衰减时长(0.0~12.0s) Pre Delay: 调节预延迟时间(5.0~120.0ms) Tone: 调节混响音色明暗(0~100) Pitch: 调节混响移调音程(-24~24st) Mix: 调节混响干湿比(0~100)
7-7 cloud	云端氛围混响，超长衰减带柔和调制，飘渺环境感	Decay: 调节混响衰减时长(1.0~100.0s) Tone: 调节混响音色明暗(0~100) Mod Depth: 调节调制深度(0~100) Mod Rate: 调节调制速度(0.02~0.25Hz) Mix: 调节混响干湿比(0~100)

EQ		
效果名称	效果描述	参数说明
1-3 eq3	三段均衡，快速调节低、中、高频音色	Low: 调节低频音量(-15~15dB) Mid: 调节中频音量(-15~15dB) High: 调节高频音量(-15~15dB)
2-3 eq6	六段参量均衡，多频段精细修饰音色	B2 (120): 120Hz 频段音量调(-15~15dB) B3 (250): 250Hz 频段音量调(-15~15dB) B4 (500): 500Hz 频段音量调(-15~15dB) B5 (1K): 1KHz 频段音量调节(-15~15dB) B6 (2K): 2KHz 频段音量调节(-15~15dB) B7 (4K): 4KHz 频段音量调节(-15~15dB)

EQ		
效果名称	效果描述	参数说明
3-3 eq8	八段全频均衡，全频段精准塑形音色	B1 (60): 60Hz 频段音量调(-15~15dB) B2 (120): 120Hz 频段音量调节(-15~15dB) B3 (250): 250Hz 频段音量调节(-15~15dB) B4 (500): 500Hz 频段音量调节(-15~15dB) B5 (1K): 1KHz 频段音量调节(-15~15dB) B6 (2K): 2KHz 频段音量调节(-15~15dB) B7 (4K): 4KHz 频段音量调节(-15~15dB) B8 (8K): 8KHz 频段音量调节(-15~15dB)

声明：

本列表中提及的厂商及产品名称，仅用于客观描述相关产品的音色表现与功能特性，不构成对任何厂商或产品的推荐、认可或背书，亦不涉及任何形式的质量保证或使用建议。

所有商标名称均为其所属公司的合法财产，相关商标权依法归对应公司所有。本列表对上述商标的引用，仅为辅助说明产品信息之用，不构成对其商标专用权的侵犯。

MIDI控制

本设备支持通过标准 MIDI 协议进行全面的远程控制。无论是快速切换音色、开关特定效果，还是使用表情踏板进行参数的实时精细干预，您都可以通过MIDI控制指令表去完成设置。（MIDI指令表需到官网另外下载）

规格参数

- A/D/A 转换: 24-bit
- 采样率: 44.1kHz
- 信噪比: 103dB
- 频段: 2400MHz~2483.5MHz (2.4GHz ISM 频段)
- 设备在工作频段内发射的最大射频功率: 6.4 dBm (EIRP)
- 效果模块: 最大支持 8+1 个效果模块
- 预设数量: 64 个预设位置, 40个出厂预设

模拟输入连接

- 输入: 6.35mm (1/4") 非平衡输入 (TS) 接口, 阻抗1M Ω

模拟输出连接

- 输出: 6.35mm (1/4") 非平衡输出 (TS) 接口, 阻抗100 Ω
- 立体声 (耳机) 输出: 3.5mm (1/8") TRS 接口, 阻抗16 Ω

数字连接

- USB接口: USB2.0 Type-C

USB 录音规格

- 采样频率: 44.1kHz
- 采样深度: 24 位

尺寸及重量

- 尺寸: 90.5mm (长) x 55.5mm (宽) x 36.7mm (高)
- 重量: 约126g

电源

- 电源要求: USB-C, DC 5V 1A
- 内置锂电池: 1300mAh

出厂附件

- USB-C数据线、说明书、背夹配件

常见故障排查

在使用 nanocore 的过程中，如果您遇到以下问题，请先参照本指南进行初步排查。若问题仍未解决，请联系官方售后支持。

1. 设备无法开机

电量耗尽：电池可能已完全耗尽。请使用符合标准的 USB-C 数据线和 5V 1A 电源适配器连接设备，检查充电指示灯是否亮起（红灯常亮）。建议充电片刻后再长按开机键尝试开机。

按键操作：请确认是否正确“长按”了开关机按键。

2. 设备有工作显示，但没有声音输出

总音量过低：检查面板上的 MASTER 旋钮是否被调到了最低。请顺时针缓慢旋转以增加音量。

接口连接错误：确认乐器已正确插入 6.35mm INPUT 接口。请勿将耳机错误插入 6.35mm 输出口，监听耳机必须使用 3.5mm PHONES 接口。

处于静音调音模式：检查设备是否处于调音表界面，且开启了“静音调音”功能。短按 SELECTOR 旋钮或 MASTER 旋钮退出调音表界面。

模块电平过低：检查当前效果链中，AMP（箱头）、CAB（箱体）或其他效果模块的 Level（输出电平）参数是否被设置为了 0 或极低值。

3. 声音底噪过大或有明显电流声

增益与失真过高：高增益（High Gain）音色本身会带来底噪放大。请检查 AMP 模块的 Gain 参数或失真单块的参数是否过高。

噪声门未开启：建议在效果链前端（如 FX1 模块）开启 gate、auto gate 或 NG-Com 模块，并适当调高 Threshold（阈值）直到消除底噪。

电源干扰：边充边用时，部分未经过滤的劣质电源适配器可能会引入交流电噪声。请尝试拔掉充电线，使用内置电池供电测试。如果此时底噪消失，建议更换高质量的电源适配器。

线材问题：检查吉他连接线是否屏蔽不良或老化，尝试更换一根高质量的乐器线。

4. BT无法连接或找不到设备

隐藏的Nanocore Midi：请务必注意，用于控制参数的 Nanocore Midi 模块在首次配对前处于“隐藏”状态。请勿在手机系统的BT设置中盲目搜索，必须打开官方手机 APP，在 APP 内部的连接界面进行搜索与配对。

连接对象混淆：确认您的需求。若要播放伴奏音乐，请在手机系统 BT设置中连接 Nanocore Audio；若要调节预设参数，请在 APP 内连接 Nanocore Midi。

5. 手机/电脑 USB 录音或直播没有声音

音频输入音量：在主界面的“全局设置”中，检查 USB Volume 是否被调至 0。

Loopback未开启：如果您希望在直播或录音时，将电脑/手机播放的伴奏音乐连同您的吉他声音一起录制进去，请在“全局设置”中确保 Loopback 选项处于 On 状态。

OTG 线材不兼容：连接手机/平板时，请确保使用的是支持数据传输的 OTG 转接线，普通的纯充电线无法传输音频数据。

系统设备选择：确保在电脑或录音软件（DAW）的音频设置中，已将输入和输出设备正确选择为 Nanocore。

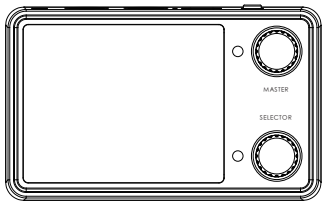
6. 关机重启后，修改的音色参数丢失

未执行保存操作：对预设模块参数进行调节后，设备不会自动保存。您必须在非主界面长按 MASTER 旋钮，或在主界面通过 REPLACE / SWAP 操作确认保存，看到“保存成功提示”后，参数才会被永久写入。如果在未保存状态下切换了其他预设或关机，所做的修改将丢失。

NANOCORE

Mini Multi-Effect Processor

USER MANUAL **EN**



⌘ We reserve the right to continuously upgrade and optimize our products. We may adjust the appearance, specifications, packaging design, included accessories, and other related details at any time without prior notice.

Please note that product images may show slight color variations from the actual item due to lighting during photography and differences in screen displays; they are for reference only.

To ensure you select a product that meets your needs, please confirm the actual features and specifications with your local dealer before purchasing.

Contents

User Guide	01
Device Connection & Hearing Protection	01
Screen & Knob Operation Protection	02
Panel Introduction	03
Interface Introduction	04
Global Settings Interface	05
Effect Chain Interface	06
Tuner Interface	06
Module Parameter Interface	07
Preset Save Operation	08
BT	09
Companion Software	09-10
Audio Interface Function	10
Effect List	10-22
MIDI Control	22
Specifications	23
Troubleshooting	24-26

User Guide

Power Supply Specifications: This device is powered via a USB Type-C port. Please ensure you use a power adapter that meets DC 5V 1A specifications for charging or continuous operation.

Built-in Battery Management: The device is equipped with a built-in 1300mAh lithium battery and supports pass-through charging (use while charging). The indicator light glows solid red during charging and turns green when fully charged. If the device will not be used for an extended period, it is recommended to charge it every few months to preserve battery health.

Avoid Extreme Environments: Do not expose the device to excessively high temperatures (e.g., on a car dashboard under direct sunlight) or extremely humid environments, as this may cause battery overheating or internal circuit shorting.

Device Connection & Hearing Protection

Protect Your Hearing and Equipment: Before putting on monitoring headphones (connected to the 3.5mm PHONES jack) or connecting to an external guitar amplifier/mixer, always turn the MASTER knob (master output volume) all the way down. After putting on headphones or completing the connection, gradually increase the volume to a comfortable listening level.

Safe Cable Handling: When plugging in or unplugging the 6.35mm instrument input cable (INPUT) or output cable (OUTPUT), keep the effects unit or downstream

audio equipment muted or at low volume to avoid sudden pops that could damage speakers.

Correct Jack Identification: Please distinguish between mono and stereo interfaces:

Guitars and other instruments should connect to the 6.35mm TS mono input (impedance: $1\text{M}\Omega$).

Monitoring headphones should connect to the 3.5mm TRS stereo output (impedance: 16Ω).

Do not mix them up, as incorrect connections may cause audio issues or equipment damage.

Screen & Knob Operation Protection

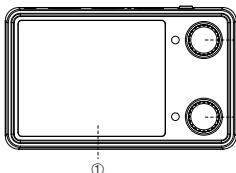
Gentle Operation

The TFT screen and encoder knobs (MASTER/SELECTOR) on the panel are precision electronic components. Do not press hard on the screen or violently rotate or strike the knobs, as this may cause irreversible physical damage.

Power-Safe Saving

When performing advanced operations such as "Replace Save" or "Swap Save," please ensure the device has sufficient battery or is connected to a power source. Never force a shutdown during the save process, as this may result in preset data loss.

Panel Introduction



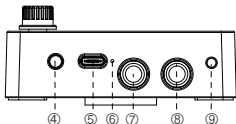
- ① 2.4-inch TFT Screen
Displays preset information, effect chain, adjustable parameters, and device status.
- ②
- ③

② MASTER Knob (Encoder)

Rotating controls the master output volume of the device (a popup will display the current volume level when rotated outside the main interface). Short press acts as the Home key to return to the main interface. Long press to perform preset save operations.

③ SELECTOR Knob (Encoder)

Rotating adjusts parameter values, switches presets/modules, and moves the cursor. Short press confirms selection, enters the edit interface, or switches pages.



- ④ Power Button
Long press to power on or off the device.
- ⑤ USB-C Port
Connects to a 5V power source for charging
- ⑥
- ⑦
- ⑧
- ⑨

(supports pass-through charging). Functions as a USB audio interface (sound card) to connect to a computer for recording. Connects to the official PC software for

parameter fine-tuning, preset management, IR import, theme/language changes, and firmware upgrades. Supports USB MIDI protocol for device control. Can be connected to a smartphone/tablet via an OTG adapter for synchronized audio-visual digital recording.

⑥ Charging Indicator LED

Glow solid red during charging; turns green when fully charged.

⑦ 6.35mm TS Input Jack

Mono input for connecting guitars, basses, and other instruments.

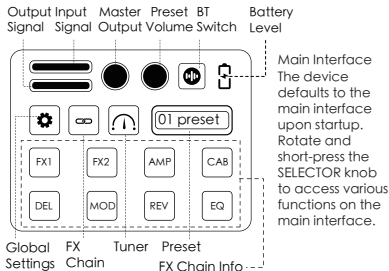
⑧ 6.35mm TS Output Jack

Mono output for connecting to amplifiers or mixing consoles.

⑨ 3.5mm TRS Output Jack

Stereo output for connecting monitoring headphones.

Interface Introduction



Global Settings Interface

 settings

loopback

☒

input gain

+0

usb volume

100

bt volume

100

midi channel

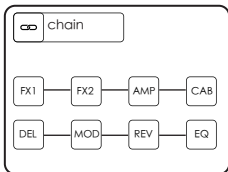
0

firmware

0.6

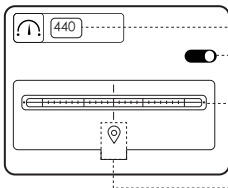
Menu Item	Parameter Range	Description
Loopback	On / Off	When enabled, external audio input via USB or BT can be mixed with the guitar signal and routed back through USB for recording.
Input Gain	-20dB ~ +20dB	Adjust the input gain for the instrument.
USB Volume	0 ~ 100	Adjust the volume of audio input via the USB interface.
BT Volume	0 ~ 100	Adjust the volume of audio input via Bluetooth.
MIDI Channel	0 ~ 16	MIDI channel: 0~16 sets the device's MIDI receive channel; channel 0 enables Omni mode (all channels).
Firmware	Version No.	Displays the current firmware version running on the device.

Effect Chain Interface



In the effect chain interface, rotate the SELECTOR knob to select a specific effect module. After selection, you can move the module's position to customize the order in which the audio signal passes through the effects.

Tuner Interface



Reference Frequency

Mute Tuning

Tuner Indicator —
The needle
deflects left for flat
notes, right for
sharp notes, and
centers when in

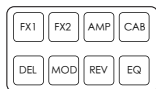
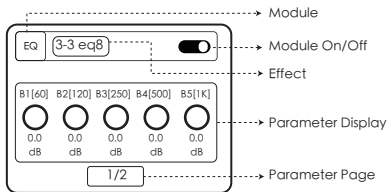
Note Name Display

Use the SELECTOR knob to select the reference frequency or toggle the silent tuning switch.

Reference Frequency: Adjustable range 400Hz ~ 480Hz (default: 440Hz).

Silent Tuning: ON by default; mutes the output during tuning.

Module Parameter Interface

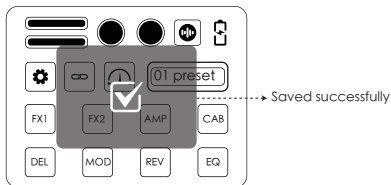
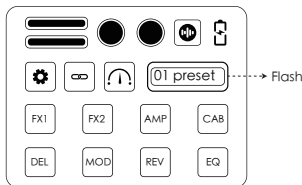


Entering a Module: On the main interface, select any module icon and short-press the SELECTOR knob to enter.

Adjusting & Page Switching: Rotate the SELECTOR knob to adjust specific effect parameters; when parameters exceed one page, use the knob to switch pages.

Switching & On/Off: The interface intuitively displays the current module and effect. Use the SELECTOR knob to flexibly select and switch between different modules/effects, and to turn the current module ON or OFF.

Preset Save Operation



Operation Steps

From Main Interface

Long-press the MASTER knob; the preset number and name will begin to flash.

Rotate the SELECTOR knob to select the target preset you wish to overwrite or swap positions with.

Short-press the SELECTOR knob, then rotate to select REPLACE (overwrite) or SWAP (exchange) mode. Short-press the SELECTOR knob again to confirm the save. A "Save Successful" prompt will appear on the screen.

From Non-Main Interface

Long-press the MASTER knob to directly save the current preset parameters. A "Save Successful" prompt will appear on the screen.

BT

nanocore has a fully independent dual-mode Bluetooth module. Both can be turned ON or OFF independently without interfering with each other.

Nanocore Audio (BT Audio)

Used to receive media audio from a smartphone or tablet. After connecting, your phone's music can be used as backing tracks input to the effects processor.

Nanocore Midi (Data BT)

Used to connect to the official mobile app for bidirectional parameter synchronization, control, and modification.

Important Note

The Nanocore Midi module is in a "hidden" state before its first pairing. You must complete the pairing directly within the official mobile app. The device name will only appear in your phone's Bluetooth settings list after successful

Companion Software

Connect Nanocore to your computer or smartphone to use the free companion software for comprehensive device management, including tone adjustment, preset import/export, NAM file import, third-party IR file loading,

and factory reset. The software supports desktop (Windows, macOS) and mobile (Android, iOS). Visit www.LIVTRAMUSIC.com to download and install.



Audio Interface Function

The device supports driver-free USB audio interface functionality. Simply connect to a computer and it will be automatically recognized as "Nanocore." It also supports direct connection to smartphones or tablets via OTG for high-quality internal recording and live streaming.

Effect List

FX1		
Effect Name	Description	Parameters
1-4 gate	Eliminates low-level noise and purifies the input signal.	Threshold: -100.0 ~ 0.0 dB
2-4 auto gate	Adaptive noise gate that automatically adjusts the threshold based on	No manual parameters; the device auto-detects and adapts to signal level changes.

FX1		
Effect Name	Description	Parameters
3-4 NG-Com	Noise Gate + Compressor combo; simultaneously optimizes noise floor and dynamic range.	Gate: -100.0~0.0 dB Threshold: -60.0~0.0 dB Ratio: 1.1:1~20.0:1 Knee: 0.0~24.0 dB Attack: 0.0~200.0ms Release: 0.0~1000.0ms Makeup: -24.0~24.0 dB
4-4 compressor	Smooths volume fluctuations and stabilizes tone quality.	Threshold: -60.0~0.0 dB Ratio: 1.1:1~20.0:1 Knee: 0.0~24.0 dB Attack: 0.0~200.0ms Release: 0.0~1000.0ms Makeup: -24.0~24.0 dB

FX2		
Effect Name	Description	Parameters
1-11 scream	Based on Ibanez TS9 pedal modeling.	Gain: (0.0-1.0) Tone: (0-100) Level: (0-100)
2-11 Klone	Based on Ryra The Klone pedal modeling.	
3-11 OCD	Based on Fulltone OCD pedal	
4-11 DS2	modeling. Based on Boss DS-2	
5-11 PIFUZZ	pedal modeling. Based on EHX Big Muff Pi pedal	

FX2		
Effect Name	Description	Parameters
6-11 Range	Based on Dallas-Arbiter Rangemaster pedal modeling.	Boost: (0.0-1.0)
7-11 XAC	Based on Xotic AC Booster pedal modeling.	
8-11 Fiman	Based on Friedman Marty Friedman pedal modeling.	
9-11 Pitch	Pitch shift effect; changes the signal pitch.	Pitch: -12~12 st Fine: -1.00~1.00 Mix: 0~100
10-11 Env Wah	Envelope wah; auto-triggered filter sweep based on playing dynamics.	Freq: 10.0~20kHz Env: 0.00~20kHz Q: 0.1~20.0 Mix: 0~100
11-11 Auto Wah	Auto wah; cyclic sweep filter with a set waveform.	Freq: 163~3.5kHz Sweep: 0~100 Rate: 0.00~8.00Hz Shape: 0~100 Mix: 0~100

AMP	
Common Parameters	Gain (0.0~1.0) Bass (-10.0~10.0dB) Mid (-10.0~10.0dB) Treble (-10.0~10.0dB) Level (-10.0~10.0dB)
Effect Name	Description
1-30 BogXTC1	Based on Bogner XTC preamp modeling — Tone 1
2-30 BogXTC2	Based on Bogner XTC preamp modeling — Tone 2
3-30 ENGP1	Based on ENGL Powerball E645 preamp modeling — Tone 1
4-30 ENGP2	Based on ENGL Powerball E645 preamp modeling — Tone 2
5-30 Fd59Bm	Based on Fender '59 Bassman preamp modeling
6-30 Fd65Dk	Based on Fender '65 Darkface preamp modeling
7-30 Hiw103	Based on Hiwatt DR103 preamp modeling
8-30 MarDSL1	Based on Marshall DSL50 preamp modeling — Tone 1
9-30 MarDSL2	Based on Marshall DSL50 preamp modeling — Tone 2
10-30 Mar8001	Based on Marshall JCM800 preamp modeling — Tone 1
11-30 Mar8002	Based on Marshall JCM800 preamp modeling — Tone 2
12-30 MesR1	Based on Mesa Boogie Rectifier preamp modeling — Tone 1

AMP	
Effect Name	Description
13-30 MesR2	Based on Mesa Boogie Rectifier preamp modeling — Tone 2
14-30 MesR3	Based on Mesa Boogie Rectifier preamp modeling — Tone 3
15-30 OgG120	Based on Orange Graphic 120 preamp modeling
16-30	Based on Peavey 5150 preamp modeling — Tone 1
Pey51501	Based on Peavey 5150 preamp modeling — Tone 2
17-30	Based on Peavey 5150 preamp modeling — Tone 2
Pey51502	Based on Peavey 6505 preamp modeling
18-30 Pey6505	Based on Peavey 6505 preamp modeling
19-30 RanT21	Based on Randall T2 preamp modeling — Tone 1
20-30 RanT22	Based on Randall T2 preamp modeling — Tone 2
21-30	Based on Roland JC-120 preamp modeling
RoJC120	Based on Roland JC-120 preamp modeling
22-30 SLO1001	Based on Soldano SLO-100 preamp modeling — Tone 1
23-30 SLO1002	Based on Soldano SLO-100 preamp modeling — Tone 2
24-30 SLO1003	Based on Soldano SLO-100 preamp modeling — Tone 3
25-30 VXAC30	Based on Soldano SLO-100 preamp modeling — Tone 3
26-30	Based on Vox AC30 preamp modeling
ApSVTVR	Based on Ampeg SVTVR preamp

AMP	
Effect Name	Description
27-30 ApSVTCL	Based on Ampeg SVT-CL preamp modeling
28-30 Adn900	Based on Ashdown ABM900 EVO II preamp modeling
29-30 Hiw320	Based on Hiwatt Jupiter 320 preamp modeling
30-30 MarSup	Based on Marshall Super Bass preamp modeling

CAB	
Common Parameters	Low Cut (20.0~500Hz) High Cut (2k~20kHz)
Effect Name	Description
1-30 Bog412A	Based on Bogner 4x12 cabinet — Tone A
2-30 Bog412B	Based on Bogner 4x12 cabinet — Tone B
3-30 Eng412A	Based on ENGL E412 Pro Vintage30 4x12 cabinet — Tone A
4-30 Eng412B	Based on ENGL E412 Pro Vintage30 4x12 cabinet — Tone B
5-30 FdTR212	Based on Fender Twin Reverb Darkface 2x12 cabinet
6-30 Fd59BM410	Based on Fender 1959 Bassman 4x10 cabinet
7-30 Hiw412	Based on Hiwatt Brilliant 4x12 cabinet
8-30 Mar412A	Based on Marshall V30 4x12 cabinet — Tone A

CAB	
Effect Name	Description
9-30 Mar412B	Based on Marshall V30 4x12 cabinet — Tone B
10-30 Mar96412A	Based on Marshall 1960B 4x12 cabinet — Tone A
11-30 Mar96412B	Based on Marshall 1960B 4x12 cabinet — Tone B
12-30 Mes412A	Based on Mesa/Boogie Oversized V30 4x12 cabinet — Tone A
13-30 Mes412B	Based on Mesa/Boogie Oversized V30 4x12 cabinet — Tone B
14-30 Mes412C	Based on Mesa/Boogie Oversized V30 4x12 cabinet — Tone C
15-30 Og412	Based on Orange Vintage30 4x12 cabinet
16-30 pey412A	Based on Peavey 5150 4x12 cabinet — Tone A
17-30 pey412B	Based on Peavey 5150 4x12 cabinet — Tone B
18-30 peyVk412	Based on Peavey Valveking 4x12 cabinet
19-30 Ran112A	Based on Randall RD112 1x12 cabinet — Tone A
20-30 Ran112B	Based on Randall RD112 1x12 cabinet — Tone B
21-30 Ran112C	Based on Randall RD112 1x12 cabinet — Tone C
22-30	Based on Soldano SLO412 4x12 cabinet

CAB	
Effect Name	Description
23-30 SLO412B 24-30	Based on Soldano SLO412 4x12 cabinet — Tone B
SLO412C 25-30	Based on Soldano SLO412 4x12 cabinet — Tone C
AC30212 26-30 AP810	Based on VOX AC30 2x12 cabinet
27-30 Ap410	Based on Ampeg 8x10 cabinet
28-30 Adn410	Based on Ampeg SVT 4x10 cabinet
29-30 HiwB410	Based on Ashdown 4x10 cabinet
30-30 Mar412	Based on Hiwatt B410 4x10 cabinet
	Based on Marshall 4x12 cabinet

DEL		
Effect Name	Description	Parameters
1-8 BBD	Classic BBD analog delay; vintage warm tape delay texture.	Delay: 1~2000ms Feedback: 0~95 Age: 0~100 Mix: 0~100
2-8 Digital	Clean digital delay; clear and transparent tone, suitable for various genres.	Time: 0.1~3000ms Feedback: 0~95 Mix: 0~100
3-8 Duck	Duck delay; automatically lowers delay tail during playing to avoid muddiness.	Time: 0.1~3000ms Feedback: 0~95 Filter: 0~100 Mix: 0~100

DEL		
Effect Name	Description	Parameters
4-8 Ice	Ice pitch-shift delay; delayed signal with pitch offset for ethereal atmosphere.	Time: 0.1~3000ms Feedback: 0~95 Interval: -12~12st Mix: 0~100
5-8 Reverse	Reverse delay; plays back delay signal in reverse for a dreamy spatial effect.	Time: 0.1~3000ms Feedback: 0~95 Mix: 0~100
6-8 LoFi	Lo-fi delay; bit-rate distortion creates vintage degraded tape texture.	Time: 2.0~3000ms Feedback: 0~95 Bit Depth: 4~16b LoFiMix: 0~100 Mix: 0~100
7-8 Smear	Smear delay; softens and blurs delay signal for a gentle spatial diffusion.	Time: 0.1~3000ms Feedback: 0~95 Smear: 0~100 Filter: 0~100 Mix: 0~100
8-8 Mod	Modulated delay; delay with tremolo wobble for richer tonal layers.	Time: 0.1~3000ms Feedback: 0~95 Mod Depth: 0.0~20.0ms Mod Rate: 0.05~5.00Hz Mix: 0~100

MOD		
Effect Name	Description	Parameters
1-5 Chorus	Classic chorus effect; widens the soundstage for a fuller, thicker tone.	Rate: 0.10~3.74Hz Depth: 0.00~1.00ms
2-5 Phaser	Phaser effect; periodic sweep filtering for a swirling, moving tone.	Rate: 0.05~5.00Hz Feedback: -95~95 Mix: 0~100
3-5 Flanger	Flanger effect; comb-filtering creates an ethereal, metallic floating texture.	Rate: 0.05~5.00Hz Feedback: -95~95 Mix: 0~100
4-5 Tremolo	Volume tremolo; cyclically fluctuates volume based on waveform.	Rate: 0.01~20.0Hz Depth: 0~100 Wave: Sine/Triangle/Square/Saw Smooth: 0.00~40.0Hz Mix: 0~100
5-5 Vibrato	Pitch vibrato; subtly fluctuates pitch to enrich the tone.	Rate: 0.01~20.0Hz Depth: 0.0~20.0ms Wave: Sine/Triangle/Square/Saw Mix: 0~100

REV		
Effect Name	Description	Parameters
1-7 Room	Room reverb; simulates a small indoor space with a compact, natural sound.	Decay: 0.5~12.0s Pre Delay: 0.0~80.0ms Tone: 0~100 Mod: 0~100 Mix: 0~100

REV		
Effect Name	Description	Parameters
2-7 Plate	Plate reverb; classic metal plate vintage tone, warm and smooth.	Decay: 0.5~12.0s Pre Delay: 0.0~80.0ms Tone: 0~100 Mod: 0~100 Mix: 0~100
3-7 Hall	Hall reverb; simulates a large concert hall with a wide, grand spatial feel.	Decay: 0.5~12.0s Pre Delay: 0.0~80.0ms Tone: 0~100 LF Damp: 0~100 Mix: 0~100
4-7 Concert	Concert hall reverb; transparent and structured, ideal for solo performances.	Decay: 0.5~12.0s Pre Delay: 0.0~80.0ms HF Damp: 0~100 Mod: 0~100 Mix: 0~100
5-7 Spring	Spring reverb; emulates vintage amp spring reverb with retro-rock texture.	Decay: 0.0~12.0s Pre Delay: 5.0~80.0ms Crossover: 800Hz~8kHz Mod: 0~100 Mix: 0~100

REV		
Effect Name	Description	Parameters
6-7 Shimmer	Shimmer reverb; pitch-shifted overtones create an ethereal, dreamy atmosphere.	Decay: 0.0~12.0s Pre Delay: 5.0~120.0ms Tone: 0~100 Pitch: -24~24st Mix: 0~100
7-7 Cloud	Cloud ambient reverb; ultra-long decay with soft modulation for a floating environmental feel.	Decay: 1.0~100.0s Tone: 0~100 Mod Depth: 0~100 Mod Rate: 0.02~0.25Hz Mix: 0~100

EQ		
Effect Name	Description	Parameters
1-3 EQ3	3-band EQ; quickly adjust low, mid, and high frequencies.	Low: -15~15dB Mid: -15~15dB High: -15~15dB
2-3 EQ6	6-band parametric EQ; multi-band fine-tuning of tone.	B2(120): 120Hz $\pm$ 15dB B3(250): 250Hz $\pm$ 15dB B4(500): 500Hz $\pm$ 15dB B5(1K): 1KHz $\pm$ 15dB B6(2K): 2KHz $\pm$ 15dB B7(4K): 4KHz $\pm$ 15dB

EQ		
Effect Name	Description	Parameters
3-3 EQ8	8-band full-range EQ; precise tonal shaping across the entire frequency spectrum.	B1(60): 60Hz $\pm$ 15dB B2(120): 120Hz $\pm$ 15dB B3(250): 250Hz $\pm$ 15dB B4(500): 500Hz $\pm$ 15dB B5(1K): 1KHz $\pm$ 15dB B6(2K): 2KHz $\pm$ 15dB B7(4K): 4KHz $\pm$ 15dB B8(8K): 8KHz $\pm$ 15dB

Trademark Statement:

The manufacturer and product names mentioned in this list are used solely to objectively describe the tonal characteristics and functional features of the related products. They do not constitute a recommendation, endorsement, or sponsorship of any manufacturer or product, nor do they imply any form of quality assurance or usage advice.

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MIDI Control

This device supports comprehensive remote control via the standard MIDI protocol. Whether you need to quickly switch tones, toggle specific effects, or use an expression pedal for real-time fine-tuning of parameters, you can accomplish all of these through the MIDI control command table (available for separate download from the official website).

Specifications

- A/D/A Conversion: 24-bit
- Sample Rate: 44.1kHz
- SNR (Signal-to-Noise Ratio): 103dB
- Frequency Band: 2400MHz ~ 2483.5MHz (2.4GHz ISM Band)
- Max RF Power (EIRP): 6.4dBm
- Effect Modules: Max 8+1 effect modules
- Presets: 64 preset slots, 40 factory presets
- Input: 6.35mm (1/4") unbalanced TS jack, impedance 1M Ω
- Output: 6.35mm (1/4") unbalanced TS jack, impedance 100 Ω
- Headphone Output: 3.5mm (1/8") TRS stereo jack, impedance 16 Ω
- USB Interface: USB 2.0 Type-C
- USB Recording Sample Rate: 44.1kHz / 24-bit
- Dimensions: 90.5mm (L) x 55.5mm (W) x 36.7mm (H)
- Weight: Approx. 126g
- Power Requirement: USB-C, DC 5V 1A
- Built-in Battery: 1300mAh lithium battery
- Included Accessories: USB-C cable, user manual, back-clip accessory

Troubleshooting

If you encounter any of the following issues while using nanocore, please refer to this guide for initial troubleshooting. If the problem persists, please contact official after-sales support.

1. Device Fails to Power On

Battery Depleted

The battery may be completely drained. Use a standard USB-C cable and a 5V 1A power adapter to connect the device and check whether the charging indicator lights up (solid red). It is recommended to charge for a while before long-pressing the power button to attempt startup.

Button Operation

Please confirm whether you correctly performed a "long press" on the power button.

2. Device Is Operational but No Sound Output

Master Volume Too Low

Check whether the MASTER knob on the panel has been turned all the way down. Rotate it clockwise slowly to increase the volume.

Incorrect Jack Connection

Confirm that the instrument is correctly plugged into the 6.35mm INPUT jack. Do not mistakenly insert headphones into the 6.35mm output jack; monitoring headphones must use the 3.5mm PHONES jack.

Silent Tuning Mode Active

Check whether the device is in the tuner interface with the "Silent Tuning" function enabled. Short-press the SELECTOR knob or MASTER knob to exit the tuner interface.

Module Level Too Low

Check whether the Level (output level) parameter of the AMP, CAB, or other effect modules in the current effect chain has been set to 0 or an extremely low value.

Cable Issues

Check whether the guitar cable has poor shielding or is aged. Try replacing it with a high-quality instrument cable.

3. Excessive Noise or Noticeable Hum/Buzz Sound

Gain and Distortion Too High

High-gain (High Gain) tones inherently amplify background noise. Check the Gain parameter of the AMP module or the overdrive pedal parameters.

Noise Gate Not Enabled

It is recommended to enable the Gate, Auto Gate, or NG-Com module at the front of the effect chain and appropriately increase the Threshold until the noise is eliminated.

Power Supply Interference

When charging and using simultaneously, some unfiltered, low-quality power adapters may introduce AC noise. Try disconnecting the charging cable and using the built-in battery for power. If the noise disappears, replace the power adapter with a high-quality one.

4. Bluetooth Cannot Connect or Device Not Found

Hidden Nanocore Midi

Important: The Nanocore Midi module used for parameter control is in a "hidden" state before its first pairing. Do not blindly search in your phone's Bluetooth settings. You must open the official mobile app and perform the search and pairing within the app's connection interface.

Connection Target Confusion

Confirm your requirement:

- To play backing music: Connect to "Nanocore Audio" in your phone's system Bluetooth settings.
- To adjust preset parameters: Connect to "Nanocore Midi" within the app.

5. No Sound During USB Recording or Live Streaming on Phone/PC

Audio Input Volume

In the "Global Settings" on the main interface, check whether USB Volume has been set to 0.

Loopback Not Enabled

If you want to record backing music played on your computer/phone together with your guitar sound during live streaming or recording, ensure that the Loopback option in "Global Settings" is set to ON.

OTG Cable Incompatibility
When connecting to a smartphone or tablet, ensure you are using an OTG adapter that supports data transfer. A regular charging-only cable cannot transmit audio data.

System Device Selection

Ensure that the input and output devices are correctly set to "Nanocore" in your computer's or DAW's audio settings.

6. Modified Tone Parameters Lost After Shutdown/Restart

Save Operation Not Performed

After adjusting preset module parameters, the device does NOT auto-save. You must long-press the MASTER knob from a non-main interface, or confirm the save via REPLACE/SWAP from the main interface. Parameters will only be permanently written after you see the "Save Successful" prompt. If you switch to another preset or shut down without saving, all modifications will be lost.