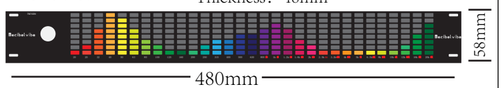
Decibelvibe

Decibelvibe - Stereo Graphic Equalizer

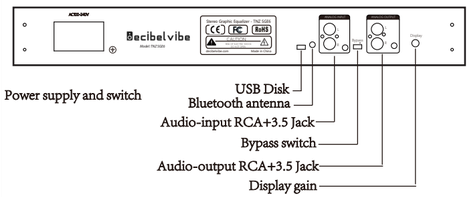
This device adopts the DSP technology, which can simultaneously adjust the gain adjustment (EQ) of 15 bands of frequency on the 2 audio channels, built-in 6 groups of fixed sound effects, support 10 groups of user-defined, built-in transposition processing, noise reduction and Input/output gain adjustment, 31 frequency bands full-color display, multiple modes can be switched,Build-in Digital Bluetooth, the operation is simple and easy to remember, all operations only need an encoder knob or a remote control.
This device supports silent automatic sleep and audio wake-up, supports global voltage.

Front view

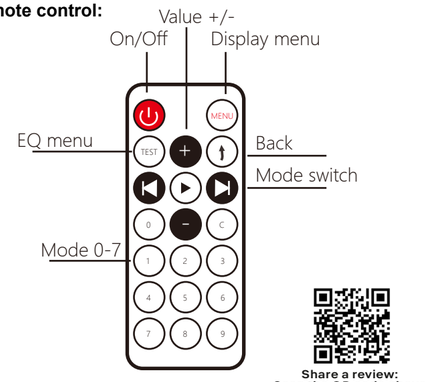
Thickness：48mm



Rear view



Remote control:



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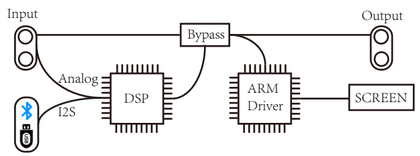
Signal flow:



Product Features:

- **Model: TNZ SGE6**
- **Stereo input**
- **One-button shuttle or remote**
- **Brightnes/Speed/Gain adjustment**
- **Silent automatic sleep**
- **Size:** 480*58*48 mm(L*W*T)
- **Weight:** 1000g
- **Built-in 6 + user-defined 10 groups**
- **Built-in Microphone**

Electrical Characteristics:

- **Voltage:** AC100-240V
- **Maximum current:** 0.5A
- Frequency response：20Hz-20KHz
- **Microphone sensitivity:** >-40dB (@1KHz)
- **Input impedance:** 10k
- **Output impedance:** 32Ω
- **SNR:** 92dB
- **Sampling Rate:** 96kHz

Instructions:

Power On——
After the AC socket on the back is plugged in, press the power switch next to it. If it was turned off by remote control last time, it needs to be turned on by remote control once;
Power Off——
The power switch on the back can completely shut down the device
The power button of the remote control can enter the standby mode, and press it again to start the machine immediately;
If sleep is set to 1, it will automatically standby after detecting silence for 10s, and automatically release standby if there is audio input;
Adjustment parameters——
1- Short press the knob to enter the display menu option, long press the knob for 3 seconds to enter the EQ menu option.Remote control see previous page.
2- Rotate the knob to adjust the value；
3- Double-click the knob to close the menu immediately, or you can wait 10 seconds for the menu to close automatically；
4- Turn the knob to adjust the output gain of the EQ when the menu is not displayed

Audio Spectrum Menu

MODE——Display mode selection：
0: Ordinary spectrum, the two channels are mixed；
1: Ordinary spectrum with the peak point at the top;
2: Ordinary spectrum，baseline is the center horizontal；
3: Waterfall chart, the x-axis is frequency, the y is time, and the color is amplitude
4: Flow chart, the x is time, the y has a fixed size, and the color is the amplitude；
5: Similar to 4, the y-axis is the amplitude, and the bottom line is the amplitude；
6: Level bar；
7: Level bar with peak point；

COLOR: 13 colors option; 11 is gradient color, 12 is magic color; default : 0;
DIMMER: Brightness , 5 levels of brightness from 0 to 4; default value: 1;
GAIN: Gain setting, range: 0-19 gain increases gradually, default value: 5；
MIC: Whether to enable the pickup, 0: off; 1: on; default value: 1；
CDIR: The direction of color change , 0: horizontal, 1: vertical; default : 0；
SPEED: Speed setting, 0-4 from slow to fast to affect the speed of peak point falling, the speed of lateral movement, etc.; default value: 3
DEMO: Demonstration mode, each mode automatically switches to the next mode after a few seconds of demonstration；
FACTORY: 1:All parameters are restored to default settings；
AGC: Whether to enable automatic gain control, 0: off; 1: on; automatic gain control can provide gain negative feedback to the input terminal according to the magnitude of the display amplitude, and the feedback cycle is about 5s, so as to automatically adjust the display amplitude to an appropriate range; default value: 1;
SLEEP: Sleep setting; 0: no sleep; 1: silent automatic standby; default value: 0;
INPUT: Select input source for analog line or digital input (Bluetooth & USB Disk)

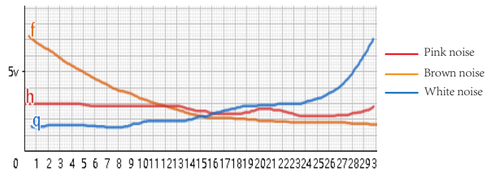
Equalizer menu

AI: Input Gain,Sampling input adjustment inside the DSP, the gain affects the details of the sampling, in the case of no distortion, please try to increase the input gain, so that more data can be collected.
AO: Output Gain，The output amplitude adjustment after data processing , which affects the output volume and does not affect the sound quality.
PS: Pitch Shift, when the value is 0, it is the original tone, and it can be adjusted up and down by ±octachord. Male and female voice change, doll voice can be realized with this function.
EQ: Equalizer, 10 groups of custom sound effects from 0 to 9, 6 groups of sound effects from 10 to 15. When group 0 to 9 is selected, 15 frequency points on the right can be customized and saved under this group. In group 10-15, the frequency point on the right is the built-in sound effect of the system, which cannot be edited.

EQ adjustment skills:

1- When listening to ordinary music, use EQ=11 to compensate the bass and treble components lost in music and electronic circuits, so that the music sounds layered. EQ=12 is suitable for systems with large bass line loss;
2- When listening to human voice, use EQ=13, 14, 15 to make the human voice brighter and reduce the interference of background music；
3- Internet voice data preprocessing, EQ=15, the processed data can generate less data volume, but has clear sound quality, suitable for Internet call processing

This device uses pink noise as the input source



Notice:

1- Do not connect to a power supply higher than 240v, otherwise the board may be damaged, please use the power cord certified by the relevant agency；
2- Do not immerse in water, or use under the condition of humidity higher than 90%
3- Do not use any solvents or liquids to wipe the screen except absolute alcohol；
4- Do not disassemble by yourself. Product failures caused by non-quality problems are not covered；
5- Don't give to children；
6- After the function changes without notice；

Maintenance tips:

All the lamp are connected in a snake shape. When encountering a blurred screen, any one of the lamp at the junction of good and bad is usually damaged, and most of them are the first damaged one at the damaged part. The lamp beads need to be replaced, and a heat gun (< 300 ℃)needs to be used for replacement. Prohibit the use of electric soldering iron.

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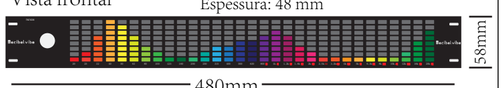
Decibelvibe

Decibelvibe - Equalizador Gráfico Estéreo

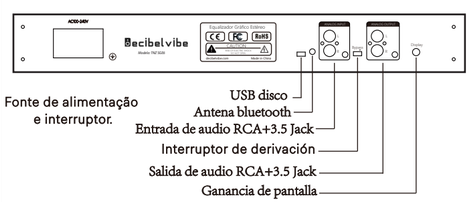
Este dispositivo adota a tecnologia DSP, que pode ajustar simultaneamente o ganho (EQ) de 15 bandas de frequ ê ncia nos 2 canais de á udio, possui 6 grupos de efeitos sonoros fixos, suporta 10 grupos personaliz á veis, processamento de transposição embutido, redução de ru í do e ajuste de ganho de entrada e sa í da, tela colorida de 31 bandas de frequ ê ncia, v á rios modos podem ser alternados, Bluetooth digital integrado, a operação é simples e f á cil de lembrar, todas as operações exigem apenas um botão de codificador ou um controle remoto. Este dispositivo suporta o sono autom á tico silencioso e a ativação por á udio, sendo compat í vel com voltagens globais.

Vista frontal

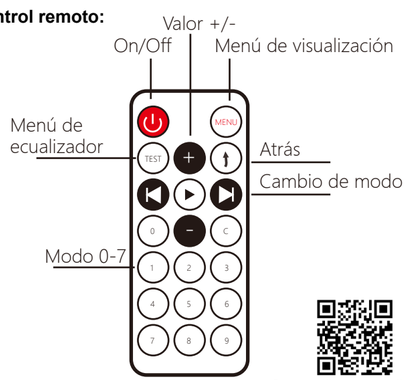
Espessura: 48 mm



Vista traseira



Control remoto:



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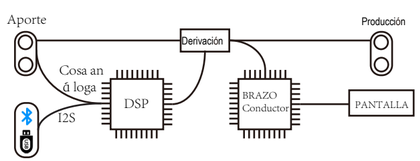
Digitalize o código QR acima

Flujo de señal:



Características del producto:

- **Modelo:** TNZ SGE6
- **Entrada estéreo**
- **Lanzadera con un solo botón o control remoto**
- **Ajuste de brillo/velocidad/ganancia**
- **Sueño automático silencioso**
- **Tamaño:** 480*58*48mm (largo x ancho x alto)
- **Peso:** 1000g
- **6 grupos integrados + 10 definidos por el usuario**
- **Micrófono incorporado**

Características electricas:

- **Voltaje:** AC100-240V
- **Corriente máxima:** 0,5 A.
- **Respuesta de frecuencia:** 20Hz-20KHz
- **Sensibilidad del micrófono:** >-40dB (@1KHz)
- **Impedancia de entrada:** 10k
- **Impedancia de salida:** 32Ω
- **SNR:** 92 dB.
- **Frecuencia de muestreo:** 96 kHz

Instrucciones:

Ligar—
Após conectar a tomada AC na parte traseira, pressione o interruptor de energia ao lado dela. Se foi desligado pela última vez pelo controle remoto, é necessário ligá-lo novamente pelo controle remoto uma vez;

Desligar—
O interruptor de energia na parte traseira pode desligar completamente o dispositivo.
O botão de energia do controle remoto pode entrar no modo de espera, e pressioná-lo novamente inicializa imediatamente o aparelho;
Se o modo de sono estiver configurado como 1, ele entrará automaticamente no modo de espera após detectar silêncio por 10 segundos e sairá automaticamente do modo de espera se houver entrada de áudio;

Parâmetros de ajuste—
1- Pressione brevemente o botão para acessar o menu de exibição; mantenha pressionado o botão por 3 segundos para acessar o menu de EQ. Veja o controle remoto na página anterior.
2- Gire o botão para ajustar o valor;
3- Duplo clique no botão para fechar imediatamente o menu, ou aguarde 10 segundos para que o menu feche automaticamente;
4- Gire o botão para ajustar o ganho de saída do EQ quando o menu não estiver sendo exibido.

Menú de espectro áudio

MODE——Selección del modo de visualización:
0: Espectro ordinario, los dos canales están mezclados;
1: Espectro ordinario con el punto máximo en la parte superior;
2: espectro ordinario, la línea de base es el centro horizontal;
3: Gráfico en cascada, el eje x es la frecuencia, el y es el tiempo y el color es la amplitud
4: Diagrama de flujo, x es el tiempo, y tiene un tamaño fijo y el color es la amplitud;
5: Similar a 4, el eje y es la amplitud y el resultado final es la amplitud;
6: Barra de nivel;
7: Barra de nivel con punto máximo;

COLOR: Opción de 13 colores; 11 es color degradado, 12 es color mágico; predeterminado: 0;
DIMMER: Brillo, 5 niveles de brillo de 0 a 4; valor predeterminado: 1;
GAIN: Configuración de ganancia, rango: 0-19 la ganancia aumenta gradualmente, valor predeterminado: 5;
MIC: Ya sea para habilitar la recogida, 0: desactivado; 1: activado; valor predeterminado: 1;
CDIR: La dirección del cambio de color, 0: horizontal, 1: vertical; predeterminado: 0;
SPEED: Configuración de velocidad, 0-4 de lento a rápido para afectar la velocidad de caída del punto máximo, la velocidad del movimiento lateral, etc.; valor predeterminado: 3
DEMO: Modo de demostración, cada modo cambia automáticamente al siguiente modo después de unos segundos de demostración;
FACTORY: 1: Todos los parámetros se restauran a la configuración predeterminada;
AGC: Ya sea para habilitar el control automático de ganancia, 0: desactivado; 1: activado; el control automático de ganancia puede proporcionar retroalimentación negativa de ganancia al terminal de entrada de acuerdo con la magnitud de la amplitud de la pantalla, y el ciclo de retroalimentación es de aproximadamente 5 s, para ajustar automáticamente la amplitud de la pantalla a un rango apropiado; valor predeterminado: 1;
SLEEP: Ajuste para dormir: 0: sem dormir; 1: modo de espera automático silencioso; valor padrão: 0;
INPUT: Seleccione la fuente de entrada para línea analógica o entrada digital (Bluetooth y USB Disco)

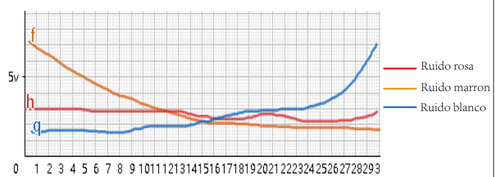
Menú del ecualizador

AI: Ganancia de entrada, ajuste de entrada de muestreo dentro del DSP, la ganancia afecta los detalles del muestreo, en caso de que no haya distorsión, intente aumentar la ganancia de entrada para que se puedan recopilar más datos.
AO: Ganancia de salida, el ajuste de amplitud de salida después del procesamiento de datos, que afecta el volumen de salida y no afecta la calidad del sonido.
PS: PitchShift, cuando el valor es 0, es el tono original y se puede ajustar hacia arriba y hacia abajo mediante ± octacordio. Cambio de voz masculina y femenina, la voz de muñeca se puede realizar con esta función
EQ: Ecualizador, 10 grupos de efectos de sonido personalizados del 0 al 9, 6 grupos de efectos de sonido del 10 al 15. Cuando se selecciona el grupo del 0 al 9, se pueden personalizar y guardar 15 puntos de frecuencia a la derecha en este grupo. En el grupo 10-15, el punto de frecuencia de la derecha es el efecto de sonido incorporado del sistema, que no se puede editar.

Habilidades de ajuste de EQ:

1- Cuando escuche música normal, utilice EQ=11 para compensar los componentes de graves y agudos perdidos en la música y los circuitos electrónicos, de modo que la música suene en capas. EQ=12 es adecuado para sistemas con gran pérdida de línea de graves;
2- Cuando escuche la voz humana, utilice EQ=13, 14, 15 para hacer la voz humana más brillante y reducir la interferencia de la música de fondo;
3- Preprocesamiento de datos de voz de Internet, EQ=15, los datos procesados pueden generar menos volumen de datos, pero tienen una calidad de sonido clara, adecuada para el procesamiento de llamadas de Internet

This device uses pink noise as the input source.



Aviso:

1- No conecte a una fuente de alimentación superior a 240v, de lo contrario la placa podría dañarse, utilice el cable de alimentación certificado por la agencia correspondiente;
2- No sumergir en agua ni utilizar en condiciones de humedad superiores al 90%.
3- No utilice disolventes ni líquidos para limpiar la pantalla, excepto alcohol absoluto;
4- No lo desmonte usted mismo. Las fallas del producto causadas por problemas de mala calidad no están cubiertas;
5- No se lo de a los niños;
6- Después de que la función cambie sin previo aviso;

Consejos de mantenimiento:

Todas las lámparas están conectadas en forma de serpiente.
Cuando se encuentra una pantalla borrosa, cualquiera de las lámparas en la unión de lo bueno y lo malo generalmente está dañada, y la mayoría de ellas son las primeras en dañarse en la parte dañada.
Es necesario reemplazar las perlas de la lámpara y usar una pistola de calor (< 300 °C) para reemplazarlas.
Prohibir el uso de soldador eléctrico.

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FCC Warning

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

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

NOTE: 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 interferenceto 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.

Radiation Exposure Statement

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