



NINGBO SPEAKFRIENDS ELECTRONIC CO.,LTD

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NINGBO SPEAKFRIENDS ELECTRONIC CO.,LTD

2024

PWR SERIES

POWERED WOODEN SPEAKER



A NEW STANDARD IN PORTABLE SOUND

The PWR series is masterfully engineered to deliver stellar audio performances for solo musicians, bands, and DJs.

The big power electro acoustic design provides impressive sound pressure levels, also when used in open-air applications and at long distances, with unbeatable sound quality

The combination of purpose-designed transducers, advanced DSP processing, and a constant directivity waveguide produces coherent coverage to the listening area with distortion-free sound. Durably built in a rugged all-wood cabinet, PWR SERIES is tour-ready, and delivers remarkable audio performance and versatility to any professional audio application.



TOUR-PROVEN WORKHORSE

- ◆ Design Perfect as Main System or Stage Monitor
- ◆ They may also be pole-mounted via the built-in socket on the bottom of the cabinet

REMARKABLE AUDIO PERFORMANCE

- ◆ Perfect Sound Image
- ◆ Wide 100x 60° Constant Directivity
- ◆ Coherent On/Off-Axis Sound Timbre
- ◆ Improved Thermal Resistance

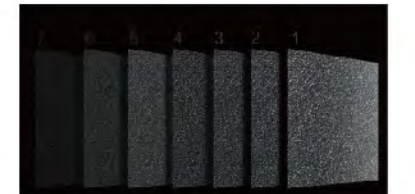
HUMANIZED HANDLE

- ◆ Make your transportation easier and more convenient
- ◆ It's more labor-saving for shipping



SELECTED THICKENED PLYWOOD

- ◆ Professional thickened speaker production board
- ◆ Reduce resonance
- ◆ Good sound performance
- ◆ The speaker has built-in thick sound-absorbing cotton, which makes the sound clear and reduces the turbidity of the sound.



CLASSIC BLACK SAND PAINTING

- ◆ Seven processes of floating point sandblasting
- ◆ Whether it is the thickness of the plate or the length of the screw, we have carefully measured it.



THE MOST POWERFUL AMPLIFIER IN ITS CLASS

This Class-D amplifier is more powerful than previous models, it able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response and very low heat loss.

1:PRESET SWITCH

This switch allows users to choose below four different presets. The "Standard", The "VOCAL Boost", the "Live" and the "Floor Monitor/Wall"

2-5:PRESET LED

When the indicator light in front of the preset lights up, it means you have selected this preset mode.

6:USB INPUT

USB Flash drive Input to play music

7:MODE SWITCH

Press MODE button one time and it will display the BT function to be able pair it with a Bluetooth enabled device. Press MODE button long press and the display will be dedicated to the TWS function.

8:Play /Pause

The music under Bluetooth or USB flash driver when you press it one time.

9:PREVIOUS/Volume -

Under BT or USB mode, press one time for previous music, while hold on the same button to reduce the volume

10:NEXT/Volume +

Under BT or USB mode, press one time for next music, while hold on the same button to increase the volume

11:SIGNAL LED

The signal indicator lights up green if there is an audio signal on the main.

12:LIMITER LED

The amplifier has a built-in limiter circuit to prevent any amplifier clipping or transducers overdrive. When the soft clipping circuit is active, the LED blinks RED, its okay if the limiter LED blinks occasionally. If the LED lights continuously, turn down the signal level.

13:INPUT LEVEL FOR CH1

This is used to adjust to the Ch1 volume/level

14:LINE/MIC SELECTOR

This switch allows you to either use the Balanced XLR Input for a microphone or a line level device. Typically Line level devices send more electrical current than a microphone. When a microphone is connected to the combi input, move the switch to the MIC position. When any other Line Level device is connected to the combi input, move the switch to the LINE position.

15:COMBO INPUT

Combo input: balance input, accepts "XLR Jack"

16:INPUT LEVEL FOR CH2

This is used to adjust to the Ch2 volume/level

17:LINE/MIC SELECTOR

This switch allows you to either use the Balanced XLR Input for a microphone or a line level device. Typically Line level devices send more electrical current than a microphone. When a microphone is connected to the combi input, move the switch to the MIC position. When any other Line Level device is connected to the combi input, move the switch to the LINE position.

18:COMBO INPUT

Combo input: balance input, accepts "XLR Jack"

19:INPUT LEVEL FOR CH3

This switch is to control the volume of Bluetooth/RCA/3.5 mm jack input

20:AUX INPUT

Using the 3.5mm jack to input the signal

21:RCA INPUT

RCA Stereo Input

22:TREBLE CONTROL

Use the knob to make overall adjustments and fine tune the High Frequency levels of the cabinet

23:BASS CONTROL

Use the knob to make overall adjustments and fine tune the Low Frequency levels of the cabinet.

24: MIX OUT

Use this connectors to patch the signal from this speaker to another active loudspeaker.

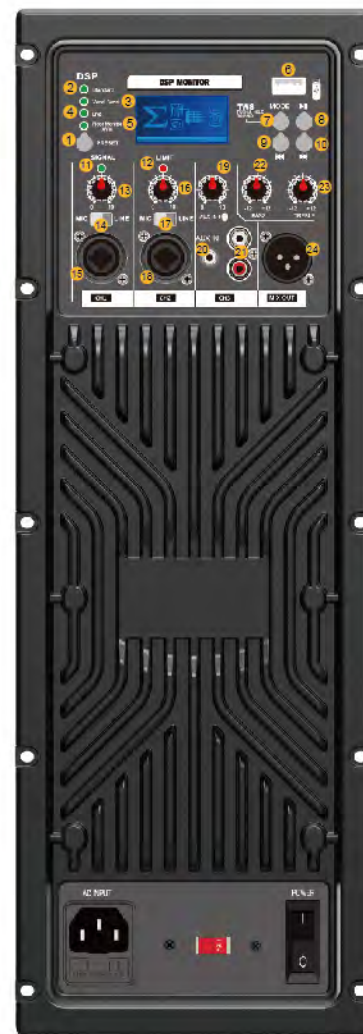
For this full range series Power Consumption:

PWR910DSP, the real power is 500W+200W

PWR912DSP, the real power is 600W+200W

PWR915DSP, the real power is 600W+200W

PWR925DSP, the real power is 400W+400W+200W



SUPERIOR TRANSDUCERS

Lightweight and powerful, Spkfriends's drivers are a reference in high performance.

All transducers are designed by Speakfriends's engineers for maximum reliability and perfectly matched components.

High-frequency transducer we have, 1.75" and 2" VC, total 2 types to choose from. It's more flexible.

Low-frequency transducer design gains more stability over higher currents, with less distortion and better heat handling.



1.75"/2"
Compression Driver



High Power 12" Woofer
3" VC



High Power 10" Woofer
2.5" VC



High Power 15" Woofer
3" VC

FULL RANGE FAMILY

PWR Series can operate as either the main system or as a floor monitor. This flexibility makes it a smart choice for a wide range of live sound applications. The rugged all-wood cabinet is easy to carry, thanks to multiple handles. The lower side includes a steel pole socket for mounting on a stand or a subwoofer pole. Each model can also be flown, wall- or truss-mounted using the six included M10 rigging points and special accessories. From the wood cabinet to the final texture and the rugged protective grille, PWR offers maximum strength for intensive use on the road and can be used for fixed installation.



PWR915DSP



PWR925DSP



PWR912DSP

PWR910DSP



PWR910DSP

2-Way 10 inch Powered Wooden Speaker

The combination of 1.75" compression driver, 10" woofer, two-channel 500W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 128 dB SPL, distortion-free sound.

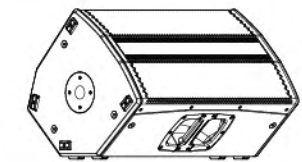
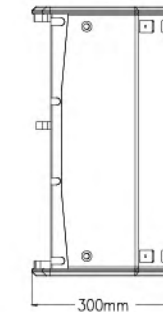
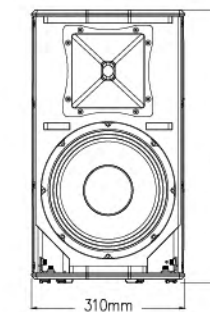


1.75" Compression Driver



10" Woofer, 2.5" voice coil

Up to 128 dB Sound Pressure Level 500W+200 Class-D Bi-Amplification
60-20000 Hz linear frequency response Wide 100° x 60° Constant Directivity
1600 Hz Crossover Frequency





PWR912DSP

2-Way 12 inch Powered Wooden Speaker

The combination of 1.75" compression driver, 12" woofer, two-channel 600W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 130 dB SPL, distortion-free sound.

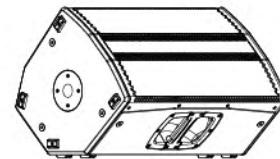
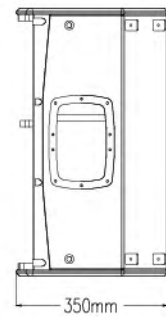
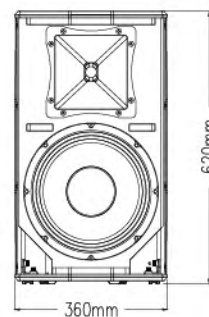


1.75" Compression Driver



12" Woofer, 3" voice coil

Up to 130 dB Sound Pressure Level 600W+200W Class-D Bi-Amplification
55-20000 Hz linear frequency response Wide 100°x 60° Constant Directivity
1600 Hz Crossover Frequency



PWR915DSP

2-Way 15 inch Powered Wooden Speaker

The combination of 2" compression driver, 15" woofer, two-channel 600W+200w amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 132 dB SPL, distortion-free sound.

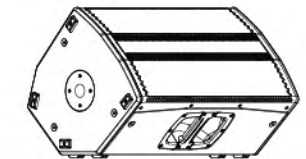
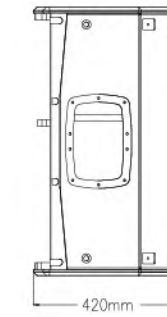
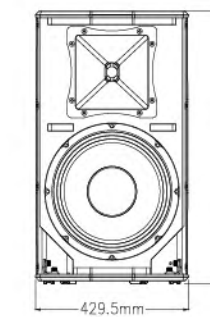


2" Compression Driver



15" Woofer, 3" voice coil

Up to 132 dB Sound Pressure Level 600W+200 Class-D Bi-Amplification 50-20000
Hz linear frequency response Wide 100° x 60° Constant Directivity 1600 Hz
Crossover Frequency



PWR925DSP

3-Way Dual 15 inch Powered Wooden Speaker

The combination of 2" compression driver, 15" woofer, two-channel 400W+400W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 134 dB SPL, distortion-free sound.

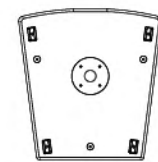
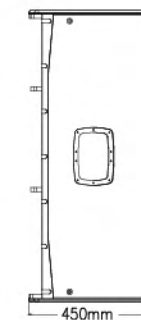
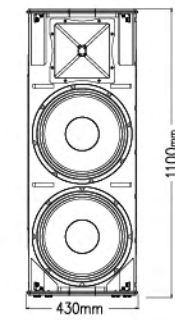


2" Compression Driver



15" Woofer, 3" voice coil

Up to 134 dB Sound Pressure Level 400W+400W+200W Class-D Bi-Amplification
45-20000 Hz linear frequency response Wide 100° x 60° Constant Directivity 1600
Hz Crossover Frequency



SUBWOOFER FAMILY

PROFESSIONAL ACTIVE SUBWOOFER

The housing of PWR SUB matches a wide range of Speakfriends's speakers placed in single or coupled combination, pole mounted on the subwoofer or even line arrays stacked over the subwoofer, enabling to build perfect combinations for every situation.





PWR915SUB-DSP

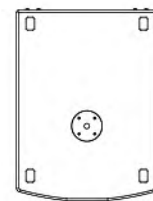
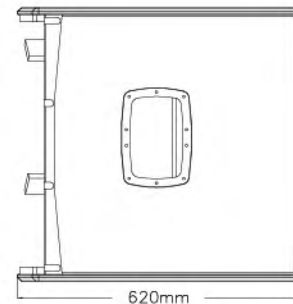
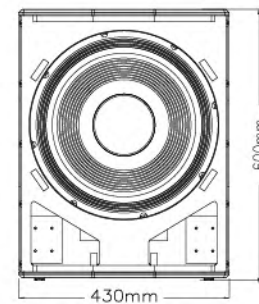
Single 15 inch Powered Wooden Subwoofer

PWR915SUB-DSP is a powerful subwoofer featuring high-power 15" woofers with 4.0" voice coils. This subwoofer delivers a serious amount of low frequencies. Powered by a 1000 W Class-D amplifier the PWR915SUB-DSP can perform in the most demanding situations. The housing of this matches a wide range of Speakfriends's speakers placed in single or coupled combination, pole mounted on the subwoofer or even line arrays stacked over the subwoofer, enabling to build perfect combinations for every situation.



Up to 134 dB Sound Pressure Level 1000W Class-D Bi-Amplification 35-150 Hz

15" Woofer, 4" voice coil, 125OZ Mag
Stronge Aluminum frame



PWR918SUB-DSP

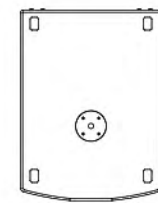
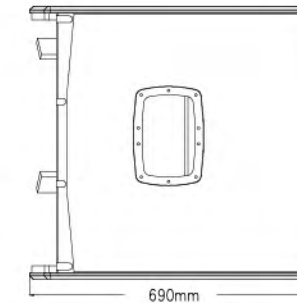
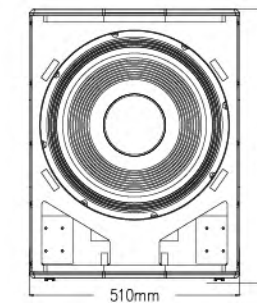
Single 18 inch Powered Wooden Subwoofer

PWR918SUB-DSP is a powerful subwoofer featuring high-power 18" woofers with 4.0" voice coils. This subwoofer delivers a serious amount of low frequencies. Powered by a 1000 W Class-D amplifier the PWR918SUB-DSP can perform in the most demanding situations. The housing of this matches a wide range of Spkfriends's speakers placed in single or coupled combination, pole mounted on the subwoofer or even line arrays stacked over the subwoofer, enabling to build perfect combinations for every situation.



Up to 131 dB Sound Pressure Level 1000W Class-D Bi-Amplification 45-20000 Hz
linear frequency response Wide 100° x 60° Constant Directivity 1600 Hz Crossover
Frequency

18" Woofer, 4" voice coil, 125OZ Mag
Stronge Aluminum frame



PWR928SUB-DSP

Dual 18 inch Powered Wooden Subwoofer

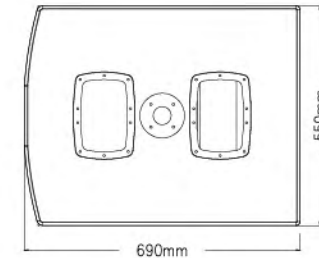
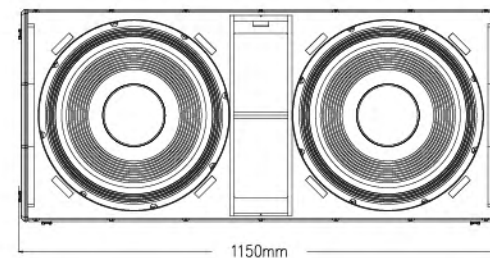
PWR928SUB-DSP is a powerful subwoofer featuring two high-power 18" woofers with 4.0" voice coils. This subwoofer delivers a serious amount of low frequencies. Powered by a 1000W+1000W Class-D amplifier the PWR928SUB-DSP can perform in the most demanding situations.

The housing of this matches a wide range of Speakfriends's speakers placed in single or coupled combination, pole mounted on the subwoofer or even line arrays stacked over the subwoofer, enabling to build perfect combinations for every situation.



Up to 135 dB Sound Pressure Level 1000W+1000W
Class-D Bi-Amplification 30-150 Hz

2X18" Woofer, 4" voice coil, 125OZ mag
Stronge Aluminum frame

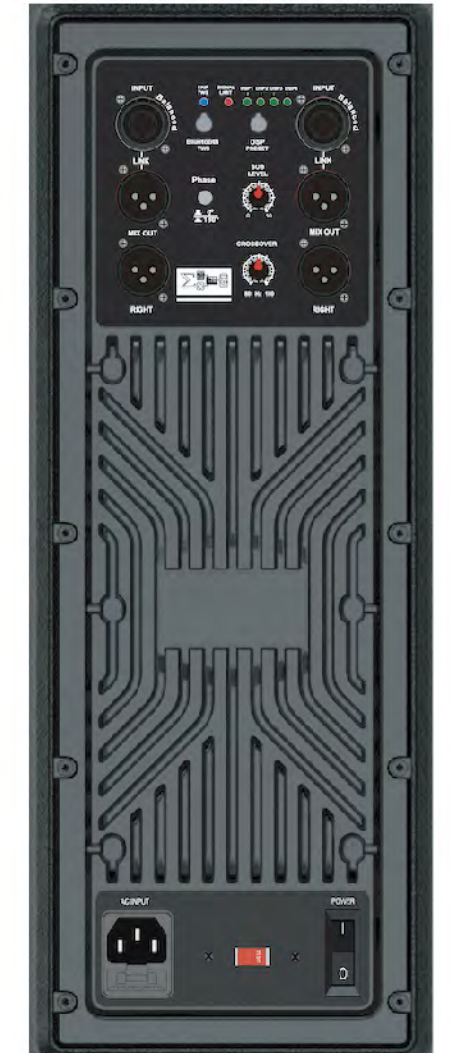


THE MOST POWERFUL AMPLIFIER IN ITS CLASS

This Class-D amplifier is more powerful than previous models, it able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response and very low heat loss.

- 1: Click to switch the four preset modes
- 2-5: Display the current curve mode
- 6: Insert and read the music in the USB flash drive
- 7: Click to switch Bluetooth mode
- 8: Click to play or pause music under Bluetooth and U disk status
- 9: In Bluetooth and U disk status, click to play the previous song, and long press to reduce the volume.
- 10: In Bluetooth and U disk mode, click to play the next song, and long press to increase the volume.
- 11: Signal light, lights up when music starts playing
- 12: Limiter light, lights up when the power reaches the limiter state
- 13: Rotate to control the volume of CH1 channel
- 14: When different signal sources are inserted into the CH1 channel, the switch can be switched
- 15: Insert to input signal to CH1 channel
- 16: Rotate to control the volume of CH2 channel
- 17: When different signal sources are inserted into the CH2 channel, the switch can be switched
- 18: Insert to input signal to CH2 channel
- 19: Rotate to control the volume of CH3 channel
- 20: Can be inserted into the 3.5mm socket to input audio signals
- 21: RCA interface input signal can be inserted
- 22: Rotating to control the bass boost and attenuation of music
- 23: Rotating to control the treble boost and attenuation of music
- 24: Can output signal to another active power amplifier

For this subwoofer series Power Consumption:
PWR915SUB-DSP, the real power is 1000W
PWR918SUB-DSP, the real power is 1000W
PWR928SUB-DSP, the real power is 1000W+1000W



Private Mould Enclosure Speaker Powered Series



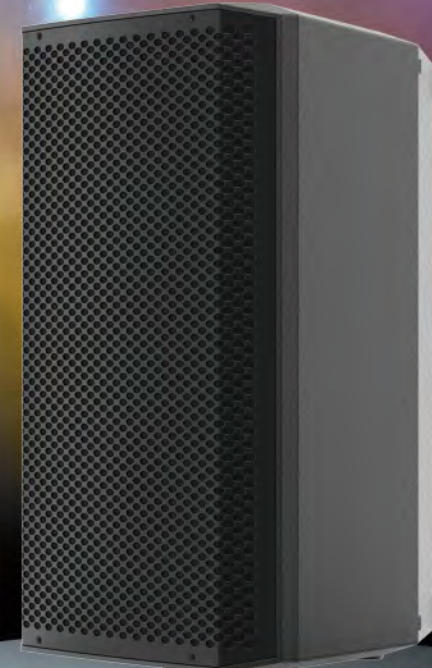
PPD15DSP



PPX15DSP



PPX12DSP



PPM15DSP

THE MOST POWERFUL AMPLIFIER IN ITS CLASS

This Class-D amplifier is more powerful than previous models, it able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response and very low heat loss. The real power is 400W+200W.

PANEL DESCRIPTION

1. LCD Display

The display shows the current DSP status and it is used to access the DSP parameters.

2. Volume Knob

Knob to control the volume of the aux input and the output volume of the xlr connector signal.

3. LINE/MIC Knob

Volume knobs for line in and mic in

4. Switch Button for MIC input and LINE input.

5. Bluetooth And TWS Indicator

Blue light is bluetooth pairing, red light is TWS pairing.

6. Switch Button for Bluetooth And TWS functions

Long press for TWS function

7. DSP Control Knob

This knob can operate and control the DSP. Rotate clockwise/counter-clockwise to select an item, and press the knob to confirm an option.

8. AUX Input

3.5mm Stereo plug, this input is used to connect a tablet computer/mobile phone /MP3 .

9. XLR-M Mix out

10. 2 XLR balanced combo jacks

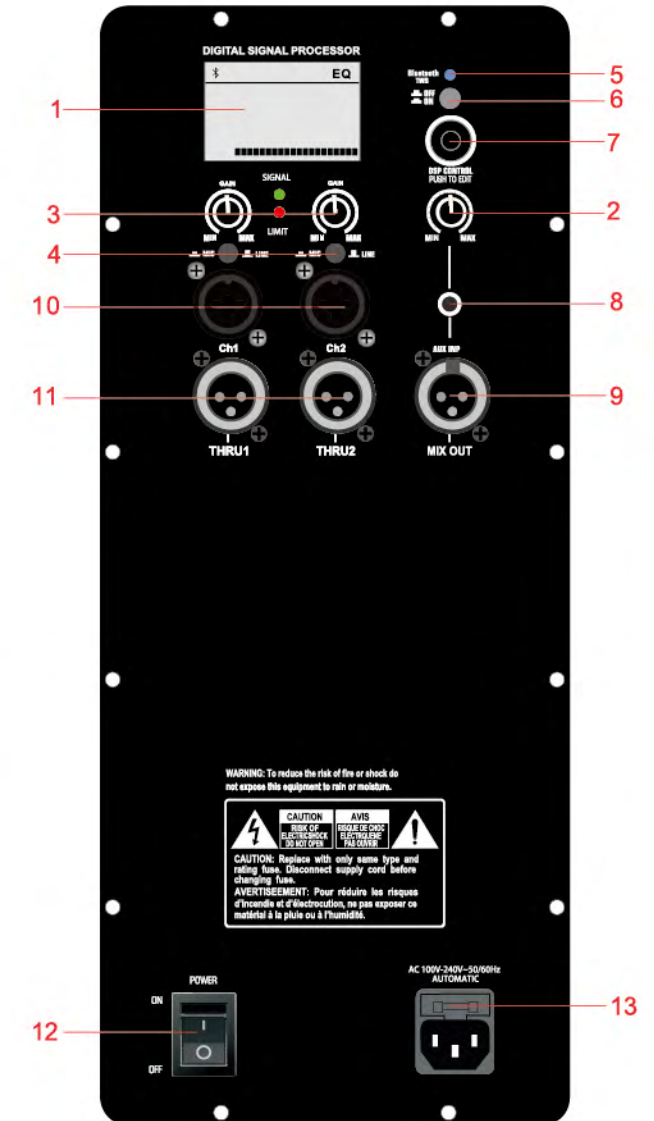
11. 2 XLRM-loop-through

12. Power Switch

The switch can switch on and off the power supply of the product.

13. AC Power Socket

This device is connected to the power input socket (including fuse) to provide power to the system.



WARNING: To reduce the risk of fire or shock do not expose this equipment to rain or moisture.

CAUTION: RISK OF ELECTRIC SHOCK. DO NOT OPEN. CAUTION: Replace with only same type and rating fuse. Disconnect supply cord before changing fuse.

AVERTISSEMENT: Pour réduire les risques d'incendie et d'électrocution, ne pas exposer ce matériel à la pluie ou à l'humidité.

AC 100V-240V-50/60Hz
 AUTOMATIC

SUPERIOR TRANSDUCERS

Lightweight and powerful, Speakfriends's drivers are a reference in high performance.

All transducers are designed by Spkfriends's engineers for maximum reliability and perfectly matched components..

High-frequency transducer we have 1.35"/1.75"VC

Low-frequency transducer design gains more stability over higher currents, with less distortion and better heat handling.



1.35"/ 1.75"
Compression Driver



High Power 12"Woofer
2"VC or 3"VC
All 12inch Speaker



High Power 15"Woofer
2.5"VC or 3"VC
All 15inch Speaker

PPM15DSP

2-Way 15 inch Powered Plastic Speaker

The combination of 1.75" compression driver, 15" woofer, two-channel 500W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 127 dB SPL, distortion-free sound.



*Up to 127 dB Sound Pressure Level
500W+200 Class-D Bi-Amplification
55-20000 Hz linear frequency response
Wide 100° x 60° Constant Directivity 1700
Hz Crossover Frequency*



1.75"
Compression Driver



15" Woofer
3" voice coil

PPX12DSP

2-Way 12 inch Powered Plastic Speaker

The combination of 1.35" compression driver, 12" woofer, two-channel 400W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 126 dB SPL, distortion-free sound.



Up to 126 dB Sound Pressure Level
400W+200 Class-D Bi-Amplification
60-20000 Hz linear frequency response
Wide 100° x 60° Constant Directivity 1800
Hz Crossover Frequency



1.35"
Compression Driver



12" Woofer
2.5" voice coil

PPX-15DSP

2-Way 15 inch Powered Wooden Speaker

The combination of 1.75" compression driver, 15" woofer, two-channel 500W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 127 dB SPL, distortion-free sound.



500W+200 Class-D Bi-Amplification
55-20000 Hz linear frequency response
Wide 100° x 60° Constant Directivity 1700
Hz Crossover Frequency



1.75"
Compression Driver



15" Woofer
3" voice coil



PPD15DSP

2-Way 15 inch Powered Plastic Speaker

The combination of 1.75" compression driver, 15" woofer, two-channel 400W+200W amplifier, and a constant directivity waveguide produces coherent 100° x 60° coverage for the listening area with up to 125 dB SPL, distortion-free sound.



Up to 125 dB Sound Pressure Level
400W+200 Class-D Bi-Amplification
55-20000 Hz linear frequency response
Wide 100° x 60° Constant Directivity
1800 Hz Crossover Frequency



1.75"
Compression Driver



15" Woofer
3" voice coil

NINGBO SPEAKFRIENDS ELECTRONIC CO.,LTD

Hello Customer ,

I am the owner of speakfriends , I have been working with audio speakers for more than 20 years , we focus on producing car audio speakers ,pro audio speakers and speaker system. Let me introduce my company to you all .

Product line:

1)We manufacture speakers for Car audio , Jeep audio , marine ,ATV/UTV audio as well as motorcycle audio .

Coaxial , midrange , component ,subwoofer , tweeters, Pod and tower speaker

2)Pro audio products line

LF transducer, HF transducer , Wooden speaker, plastic speaker, line array etc

New speakfriends team:

1)Engineer Team : we have sound engineer , electric engineer , mechanical design engineer , all are experienced and used to work with well known brand

2)Management team : General manager have more than 25 years working experience in big factory

3)Chief assembly manager team : 5 people have more than 20 years experience on key position

4)QC team : We have necessary equipment to maintain the product quality and consistency, like AP ,CLIO ,Spider and cone testing machine

5)sale team : experienced sales team which can provide English and Spanish service

New speakfriends is ready to work with you , we wish you join us and make money together

Jeffery Ding