

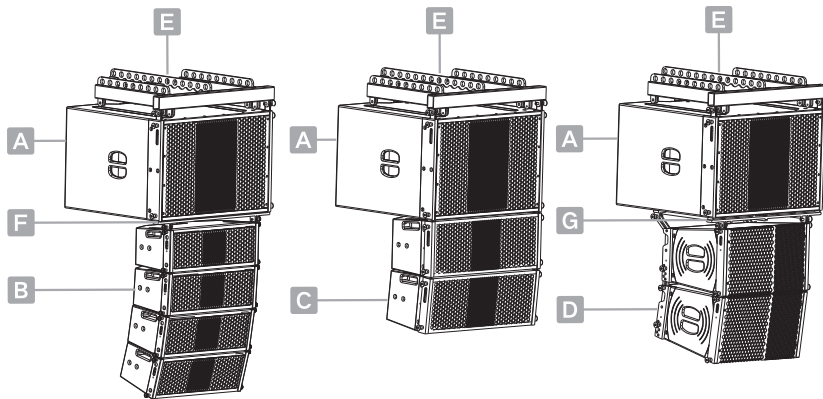
1. Balanced XLR input.
2. Passthrough XLR output.
3. RS-485 connector.
4. USB connector (Type B).
5. Mode selector.
6. Volume control.
7. Limit LED.
8. Power LED.
9. AC input (110V~240V)
10. AC output (110V~240V)
11. Power switch.



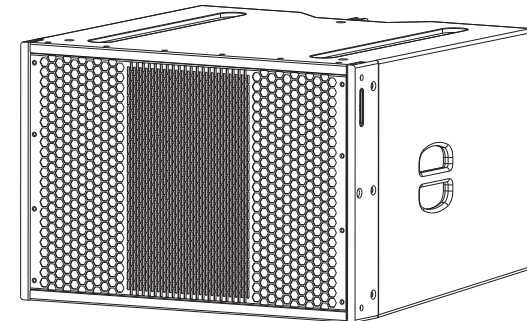
**ZETHUS-115SPW**  
**ZETHUS-115SWPW**

HIGH POWER ACTIVE LINE ARRAY SUBWOOFER  
(Built in 1.1 Channel Class D amplifier with DSP)

RECOMMENDED SYSTEM SETTING



- A. ZETHUS-115SPW (Powered Subwoofer With 1.1 Channel Class D Amp. Built In DSP)
- B. ZETHUS-205 (Dual 5" Passive Full Range Line Array)
- C. ZETHUS-208 (Dual 8" Passive Full Range Line Array)
- D. ZETHUS-110 (10" Passive Full Range Line Array)
- E. ZETHUS-115SFF (Flying Frame For ZETHUS-115S/SPW)
- F. ZETHUS-205AD (Flying Bar To Connect ZETHUS-115SPW and ZETHUS-205)
- G. ZETHUS-110AD (Flying Bar To Connect ZETHUS-115SPW and ZETHUS-110)



## OPERATION GUIDE

\* The SOUND TOWN ZETHUS-115SPW active subwoofer has a 1.1 channel Class D amplifier built inside, one channel power the subwoofer itself and the other channel power the full range line array. There is a professional DSP built in the amplifier module which allows user to design the sound curve according to different venue.

### 1. Package contains

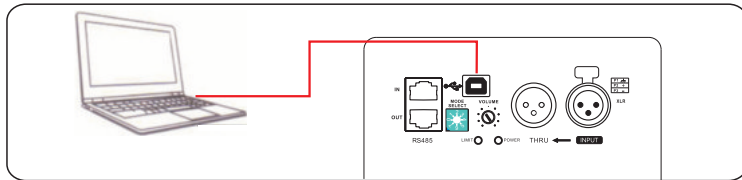
Subwoofer Cabinet x 1;  
Neutrick powerCON cable x 1;  
Data cable x 1 (USB type A to USB type B) x 1

### 2. Prepare

1) Download the DSP software 'ZETHUS SUB DSP' from [www.soundtown.com](http://www.soundtown.com).  
2) Install the software to your computer.

### 3. Set up

1) Connect the subwoofer to a wall outlet through the power cable and switch the power to on.  
2) Connect the subwoofer to the full range passive line array speaker through a SPEAKON to SPEAKON cable.  
3) Use the data cable provided in package and connect your PC (USB type A) to the amplifier module (USB type B), please refer to the connection diagram below.  
4) Start the software on your PC to start DSP settings.



### 4. Software guide

#### \* Default Setting

There are some default factory setting as below, you can either choose these default setting by selecting the 'MODE SELECT' on the amplifier panel or design your own favorite curve by the software provided.  
Default Setting Data:

'MODE 0': 200Hz low pass for sub channel, 190Hz high pass for full range channel.

'MODE 1': 180Hz low pass for sub channel, 170Hz high pass for full range channel.

'MODE 2': 150Hz low pass for sub channel, 140Hz high pass for full range channel.

'MODE 3': 140Hz low pass for sub channel, 130Hz high pass for full range channel.

'MODE 4': 130Hz low pass for sub channel, 120Hz high pass for full range channel.

'MODE 5': 120Hz low pass for sub channel, 110Hz high pass for full range channel.

'MODE 6': 110Hz low pass for sub channel, 100Hz high pass for full range channel.

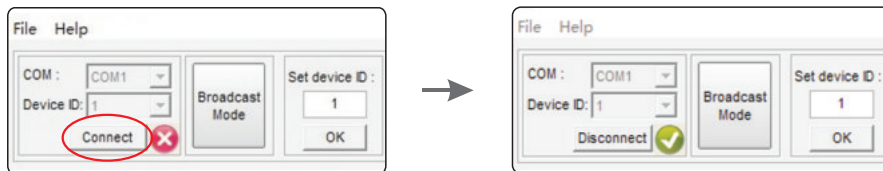
'MODE 7': 100Hz low pass for sub channel, 90Hz high pass for full range channel.

\*MODE0 & 1 are recommended when you set the system with ZETHUS-205 full range line array.

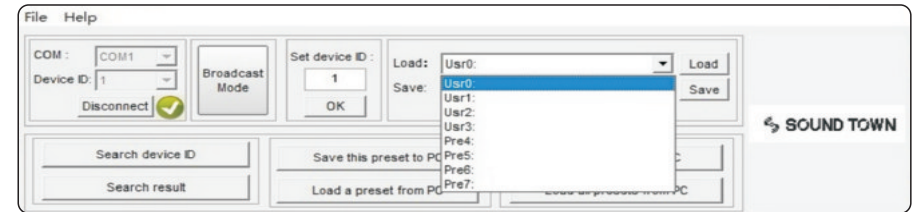
MODE2 & 3 are recommended when you set the system with ZETHUS-208 full range line array.

MODE4 & 5 are recommended when you set the system with ZETHUS-110 full range line array.

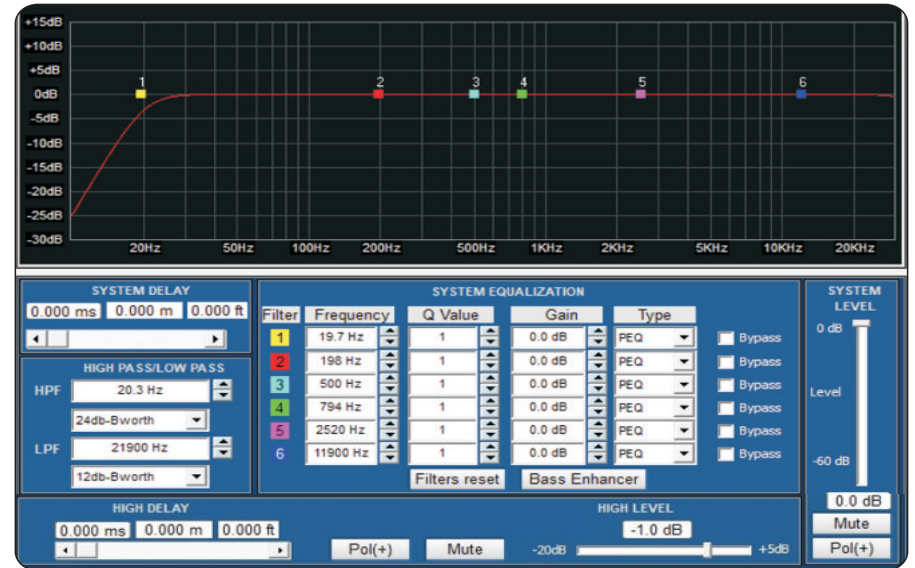
MODE6 & 7 are bass enhancement mode recommend for ZETHUS208 or ZETHUS110 setting.



1) Connect: Click the "Disconnect" button, and the status will change to "connect". COM on the interface corresponds to your computer's USB port, each USB port has an individual COM. Device ID is associated with each speaker connected, the default device ID is set as 1. When multiple speakers are being used, a new device ID is not needed when you do not need to change the settings of a specific speaker. To control multiple speakers simultaneously, please choose the broadcast mode. (Please note to use the 'broadcast' mode need to connect the RS485 port instead of USB).



2) Save and load: you can save modes you have set in user0-user7 and you can load any mode from user0-user7 when the PC is connected with the module. When disconnected, the mode will set back to default. If you want to change the default setting, you can save your setting to PC and then load the setting from PC. Group saving and loading for 8 modes at the same time are also available.



3) Filter setting: In the "HI PASS/LOW PASS" zone, adjust the High Pass Filter or Low Pass filter to the frequency you prefer, there are several slopping ratio on choice for each setting.

4) EQ setting: In the "SYSTEM EQ" zone, there are 6 adjustable frequency point can be set, each point can be adjusted of ascension or attenuation on the "Gain" column; On the "Q Value" column you can set the frequency range, small Q value represent wider range and big Q value represent narrower range. On the "Type" column you can choose a whole lower frequency range or higher frequency range of your EQ setting.

5) Delay setting: 'SYSTEM DELAY' zone can set the delay for the whole system (both 2 channels), 'HIGH DELAY' zone can set the delay only for the full range channel.

6) Polarity change: 'SYSTEM LEVEL' zone can change the polarity for whole system (both 2 channels), 'HIGH LEVEL' zone 'POL' button can change the polarity only for the full range channel.