

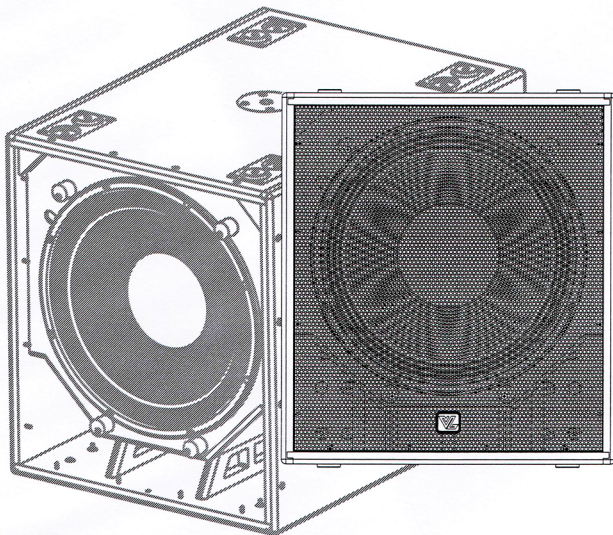
FLEX 918A

**2800
WATT
POWER**

18"

POWERED HIGH
POWER SUBWOOFER

AD
ACOUSTIC DRIVE
**18" ACTIVE
SUBWOOFER**



SNI

LSPR-011-IDN
04-6253-2003

**134 dB
MAX SPL**

OWNER MANUAL

PRODUCT INFO

FLEX 918A is one of the most powerful 18" subwoofers in pro-sound category. Featuring a high power, hypervented 18" woofer, with 4" inside/outside voice coils, this cabinet is designed to deliver a serious amount of low frequency. The amplifier section features 1400 watt RMS SMPS Class-D Amplifier with full DSP, the FLEX 918A can perform in the most demanding situations. The input board includes volume control, ground switch, preset switch, xover, end fire, inverted stack.

- 134 dB Max SPL
- 30 Hz - 400 Hz Frequency response
- 1 x 18" Hyper Vented Woofer, 4.0" voice coil
- DSP controlled Input section with selectable presets (e. g. cardioid)
- 2800 Watt Peak, 1400 Watt RMS Class-D Amplifier
- Multiple configurations with FLEX 918A
- Baltic Birch Cabinet

SAFETY INSTRUCTIONS

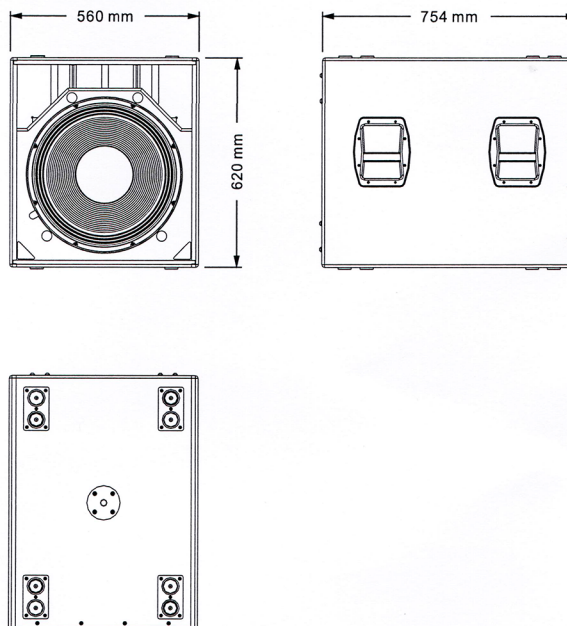
KEEP THIS APPLIANCE AWAY FROM FIRE, RAIN AND MOISTURE TO GUARD AGAINST THE RISK OF ELECTRIC SHOCK AND FIRE

- Do not attempt to service this product yourself, as opening or removing the speaker cover may result in shock hazard and other risks. Be sure to have it serviced only by specialized product service personnel. Most damage occurs as a result of unprofessional repair attempts. Use only the built-in power supply and power cord. Unplug the power cord if the unit is not used for an extended period of time. Periodically check the power cord to ensure that no damage has occurred.
- Before replacing a fuse, unplug the power cord first. Use only fuses of the same specification as the original INSTALLATION SAFETY.
- Before installation, make sure that the installation area can withstand a sufficient load of 5 x the installed system load.
- The unit should be placed in a clean, level, vibration-free and fire-free area. Do not place the unit on an unstable trolley or speaker stand.
- The unit should be placed at least 20 cm away from the wall to ensure proper air circulation and no obstruction.
- Ensure that all signal and power cables are well located and not stepped on by passers-by.

HEALTH WARNING

- Loudspeakers at very high levels can cause hearing damage. Be sure to use a hearing protection device when we are exposed to loud levels of sound.

PRODUCT SIZE



TECHNICAL PARAMETERS

Acoustical specifications

Frequency Response: 30 Hz - 400 Hz
Max SPL @ 1m: 134 dB

Transducers

Woofer: 18", 4" v.c

Input/Output section

Input signal: Balance/Unbalance
Input connectors: XLR, Jack
Output connectors: XLR
Input sensitivity: -2 dBu/+4 dBu

Processor section

Hi-Pass Frequencies: 30 Hz, 40 Hz
Low-Pass Frequencies: Variable from 50 Hz to 120 Hz
Protections: Thermal, RMS
Limiter: Fast Limiter
Controls: Volume control, Ground switch, Preset switch, Xover, End Fire, Inverted Stack

Power section

Total Power: 2800 W Peak, 1400 W RMS
Cooling: Convection
Connections: Powercon IN/OUT

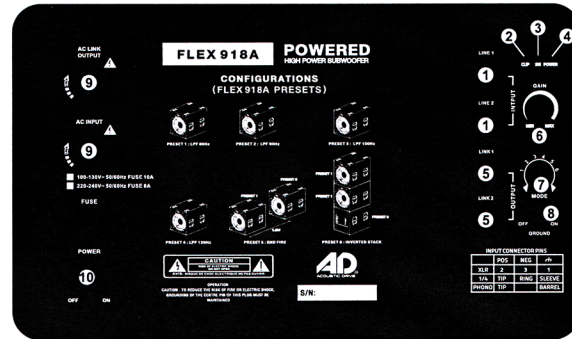
Standard compliance

CE marking: Yes

Physical specifications

Cabinet/Case Material: Baltic birch plywood
Hardware: 2 x M20
Handles: 2 Side
Grille: Steel
Color: Black
Weight: 50 kg / 110 lbs

PANEL FEATURES



REAR PANEL DESCRIPTION

1. FEMALE XLR INPUTS (BAL)

The system accept XLR input connectors.

2. LIMITER LED

The amplifier has a built in limiter circuit to prevent clipping of the amplifiers or over driving the transducers. When the soft clipping circuit is active the LED blinks orange. It is okay if the limit LED blinks occasionally. If the LED blinks frequently or lights continuously, turn down the signal level.

3. SIGNAL LED

The signal indicator lights green if there is signal present on the main XLR input.

4. STATUS LED

The status indicator flash if the temperature protection is active.

5. MALE XLR SIGNAL OUTPUT

The output XLR connector provides a loop trough for speakers daisy chaining.

6. GAIN CONTROL

Adjust the amplifier gain.

7. MODE SWITCH

Set the preset equalization. For all other applications equalisation is recommended.

■ Preset 1 : LPF 80 Hz

Low pass filter 80 Hz butterworth 24 dB crossover.

■ Preset 2 : LPF 90 Hz

Low pass filter 90 Hz butterworth 24 dB crossover.

■ Preset 3 : LPF 100 Hz

Low pass filter 100 Hz butterworth 24 dB crossover.

■ Preset 4 : LPF 120 Hz

Low pass filter 120 Hz butterworth 24 dB crossover.

■ Preset 5 : END FIRE

Installation format "end fire" for loudspeaker a-b must have distance 1.2 m., speaker a please select preset 1 and speaker b select preset 6.

■ Preset 6 : INVERTED STACK

Installation format "inverted stack" for loudspeaker a-b please select preset 1 and speaker c select preset 6.

8. GROUND SWITCH

Switching this out to the ON position, the internal connection to the output pin 1 is removed.

9. POWERCON AC SOCKET

The Powercon AC socket connect the power cord to the socket.

10. POWER MAIN SWITCH

The power switch turns the AC power ON and OFF.

IMPORTANT NOTES

CONNECTIONS

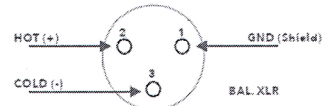
The XLR Connectors use the

following aes standard :

PIN 1 = Ground (Shield)

PIN 2 = Hot (+)

PIN 3 = Cold (-)



BEFORE CONNECTING THE SPEAKER

On the back panel you will find all the controls, the signal and current inputs. At first verify that the voltage selector on the speaker is in proper position for your country (115 Volt or 230 Volt). The switch shall be in proper position (unless moved from unauthorized people), but a fast check will avoid problems.

BEFORE TURNING ON THE SPEAKER

At this point you can connect the power supply cable and the signal cable, but before turning on the speaker make sure that the volume control is at the minimum level (even on the mixer output). It is important that the mixer is already ON before turning on the speaker. This will avoid damage to the speakers and noisy "bumps" due to turning on parts on the audio chain. It is a good practice to always turn on speakers at last and turn them off immediately after the show. Now you can turn ON the speaker and adjust the volume control to a proper level.

INSTALLATION

A 35 mm socket for mounting the loudspeaker on a speaker stand is provided in the bottom of the cabinet.

WARNING : The use of these speakers with Stand and Pole mount accessories can be done by qualified and experienced personnel only, trained appropriately on professional systems installations. In any case it's the user's final responsibility to ensure the system safety conditions and avoid any danger or damage to people, animals and objects.

PROTECTIONS

FLEX 918A active speakers are equipped with a complete system of protection circuits. Two led on the amplifier back panel indicate the working status of the amplifier: the green led indicate that the speaker is on and the red led is ON when the protection circuit is active. The circuit is acting very gently on audio signal, controlling level and maintaining distortion at acceptable level. If this led is ON for a long period is better to reduce immediately the signal level from the mixer or from the speaker volume control.