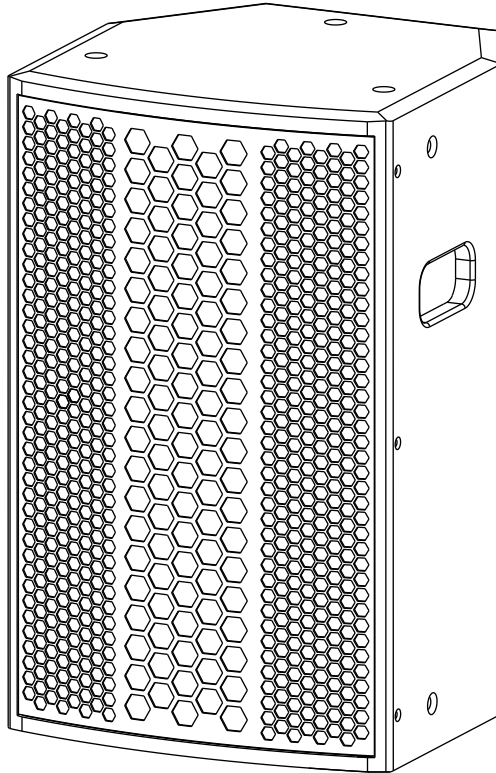


BLAST-10A BLAST-12A

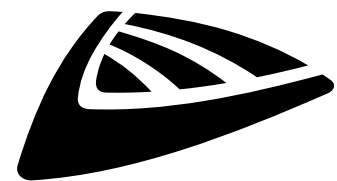


ENGLISH Operation Manual

Other languages can be downloaded from:
WWW.JB-SYSTEMS.EU



Version: 1.0



JB SYSTEMS



EN - DISPOSAL OF THE DEVICE

Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

FR - DÉCLASSER L'APPAREIL

Débarrassez-vous de l'appareil et des piles usagées de manière écologique Conformément aux dispositions légales de votre pays.

NL - VERWIJDEREN VAN HET APPARAAT

Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

DU - ENTSORGUNG DES GERÄTS

Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

ES - DESHACERSE DEL APARATO

Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su país.

PT - COMO DESFAZER-SE DA UNIDADE

Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

OPERATION MANUAL

Thank you for buying this JB Systems® product. To take full advantage of all possibilities, please read these operating instructions very carefully.

FEATURES

- High quality active speaker for pole mount or monitor use.
- Made of plywood with polyurethane paint.
- Crystal clear audio reproduction
- Dynamic sub EQ for surprisingly deep bass
- Integrated DSP processor with several presets:
 - Stand-alone (front of house) speaker
 - DJ
 - Speech
 - Stage Monitor
 - High-Pass for the use with subwoofers
- 2 audio mixable inputs:
 - Input A with level control:
 - Balanced jack/XLR (+RCA) Line input
 - Bluetooth receiver input
 - Input B with level control:
 - Balanced jack/XLR (+RCA) Line input
 - Balanced jack/XLR microphone input
- Link output: contains the mixed signal from A+B inputs
- Optional touring bag available.

BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.
- To protect the environment, please try to recycle the packing material as much as possible.

Check the contents:

Check that the carton contains the following items:

- User manual
- BLAST-10A or BLAST-12A cabinet
- Power cord.

SAFETY INSTRUCTIONS:



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: To reduce the risk of electric shock, do not open. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user or the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.



This symbol means: indoor use only



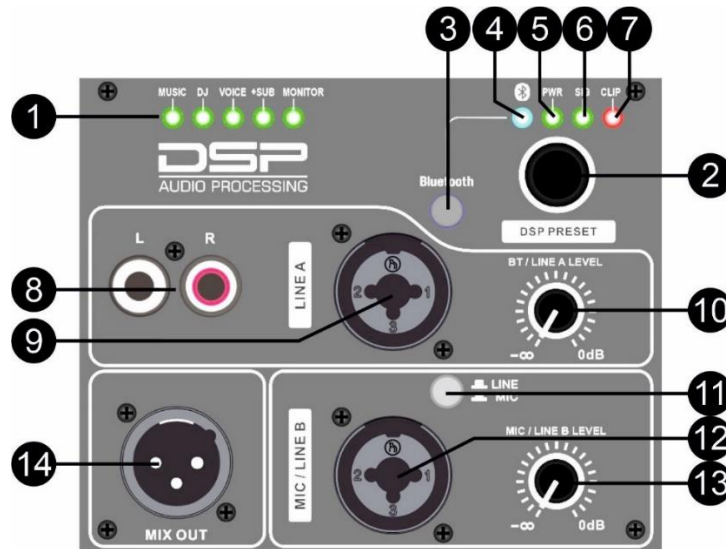
This symbol means: Read instructions



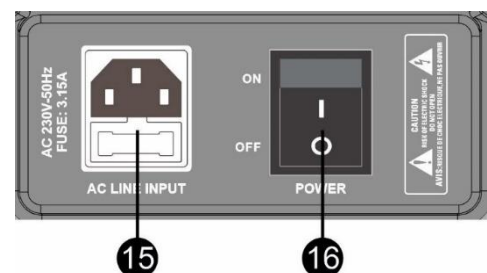
This speaker can easily reproduce sound pressure levels (SPL) sufficient enough to cause severe and permanent hearing damage. Always protect your ears when you are exposed for a longer period to SPL in excess of 85dB!

- Even if the speaker cabinet is made of water-resistant material, the woofer and tweeter are not protected against humidity and rain. Therefore, this speaker is intended for indoor use only, use of this product outdoors, in humid conditions, voids all warranties.
- Always mount this speaker in safe and stable matter.
- Take special care when the cabinets are suspended. This is potentially dangerous and should only be carried out by technicians who have knowledge of the techniques and regulations of rigging speakers!
- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condensation sometimes prevents the unit from working at full performance or may even cause damages.
- Don't place metal objects or spill liquid inside the unit. No objects filled with liquids, such as vases, shall be placed on this appliance. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- No naked flame sources, such as lighted candles, should be placed on the appliance.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum safe ambient temperature is 45°C. Don't use this unit at higher ambient temperatures.
- Always unplug the unit when it is not used for a longer time or before you start servicing.
- The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the rear panel of the unit.
- The socket inlet shall remain operable for disconnection from the mains.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged. It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Never let the power-cord come into contact with other cables!
- When the power switch is in OFF position, this unit is not completely disconnected from the mains!
- This appliance must be earthed to in order comply with safety regulations.
- In order to prevent electric shock, do not open. There are no user serviceable parts inside.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the appliance and contact your dealer immediately.
- Please use the original packing when the device is to be transported.
- Due to safety reasons, it is prohibited to make unauthorized modifications to the unit.

AMPLIFIER

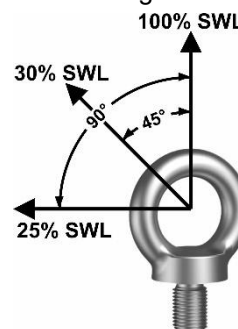


1. **DSP PRESET:** turn the DSP PRESET knob (2) and press it to select the desired DSP preset:
 - **MUSIC:** most widely used option for all-around use.
 - **DJ:** light attenuation of the bass frequencies to make it more comfortable for DJ's who are standing behind the speakers
 - **VOICE:** optimizes the clarity and voice quality during speeches.
 - **+SUB:** use this preset when the speaker is used with an extra subwoofer. A 120Hz filter cuts off all frequencies below 120Hz in the speaker.
 - **MONITOR:** optimizes the use of the speaker while used as a monitor on stage.
2. **DSP PRESET rotary knob:** Used to select the desired DSP preset.
3. **BLUETOOTH button:** press the button if you want to pair the speaker with a mobile device
4. **BLUETOOTH LED:** when the Bluetooth button is pressed, this LED blinks while searching for a device to pair with. When the LED stays lit, it shows the unit is paired with a Bluetooth transmitting device.
5. **PWR LED:** this LED is lit while the unit is powered and switched on.
6. **SIG LED:** this LED is lit when an audio signal is detected.
7. **CLIP LED:** this LED blinks when a signal overload is detected. If the LED stays lit (not just flashing from time to time), you should immediately turn down the signal input
8. **RCA LINE A INPUT:** This input is the same as the combo input (9) but accepts "RCA / cinch" unbalanced line level audio signals like for example: CD-player, tuner, MP3-player, ...
Attention: although the cinch input is stereo, the signal will be converted to mono inside the speaker.
9. **LINE A INPUT:** this combo connector accepts XLR- as well as Jack-connectors. This input is used for balanced / unbalanced LINE inputs only.
10. **LINE A LEVEL control:** with this knob you can set the level of the LINE A input. This can be the RCA inputs (8), the COMBO input (9) or the BLUETOOTH input.
Attention: To prevent damage to your speaker cabinet, please set the BT / LINE A LEVEL to zero before you connect the input. Once connected you can turn the level up to the desired level.
IMPORTANT: never use more than one input at the same time.
11. **LINE / MIC switch:** used to select the type of input signal you will use on the MIC/LINE B input (12)
IMPORTANT: NEVER change the position of this switch while the channel volume (13) is open !
12. **MIC/LINE B input:** This combo input accepts both balanced and unbalanced microphones or line input.
Attention: To prevent damage to your speaker cabinet, please set the MIC / LINE B LEVEL to zero before you connect the input. Once connected you can turn the level up to the desired level.
13. **LINE B LEVEL control:** with this knob you can set the level of the MIC / LINE B input.
14. **MIX OUT:** This balanced output (3pin-XLR) contains the mixed signal of both LINE A and MIC / LINE B inputs.
15. **IEC power input + FUSE holder:** use the supplied power cord to power the unit
16. **POWER switch:** Used to switch the internal amplifier on/off. The green Status led (5) is lit while the power is switched on.



RIGGING

- **Important:** The installation must be carried out by qualified service personal only. Improper installation can result in serious injuries and/or damage to property. Overhead rigging requires extensive experience! Working load limits should be respected, certified installation materials should be used, the installed device should be inspected regularly for safety.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging.
- The cabinet should be installed out of reach of people and outside areas where persons may walk by or be seated.
- Make sure that the installation area can hold a minimum point load of 10times the cabinet's weight.
- Always use certified cable or chains that can hold 12 times the weight of the cabinet.
- The cabinet should be well fixed; a free-swinging mounting is dangerous and may not be considered!
- The operator has to make sure that the safety-relating and machine-technical installations are approved by an expert before using them for the first time. The installations should be inspected every year by a skilled person to be sure that safety is still optimal.
- Always take special care when the cabinets are suspended. This is potentially dangerous and should only be carried out by technicians who have perfect knowledge of the techniques and regulations of rigging speakers!
- The eyebolts used to suspend the speakers must be made to support heavy weights: SWL > 70kg. (SWL changes with the lifting angle, see drawing)



SPECIFICATIONS

This device carries the prescribed CE marking. It was tested for this purpose in a specialized CE lab and fully complies with all currently valid European and national standards. The corresponding CE conformity declarations can be found on the product page of this product on our website.

MODEL	BLAST-10A	BLAST-12A
Amplifier MID/HF unit	30Wrms (60Wpeak)	40Wrms (80Wpeak)
Amplifier LF unit	220Wrms (440Wpeak)	330Wrms (660Wpeak)
Titanium Driver	1.35"	1.75"
Woofers	10"	12"
Dispersion (HxV)	100° x 50°	90° x 60°
Max SPL @1m	122 dB	124 dB
Freq. Resp.	55 – 19.000Hz	50 – 20.000Hz
Input impedance	10 kohm	10 kohm
Link output	Balanced XLR	Balanced XLR
Power input	230Vac 50Hz	230Vac 50Hz
Power consumption	0,5A @ 240Vac	0,6A @ 240Vac
Internal FUSE	T3.15A-230V	T3.15A-230V
Flying points	12x M8	12x M8
Dimensions (mm)	318 x 305 x 510	378 x 375 x 610
Weight (kg)	12.9	19.7

All information is subject to change without prior notice.

You can download the latest version of this user manual on our website: www.jb-systems.eu



JB SYSTEMS

MAILING LIST

EN: Subscribe today to our mailing list for the latest product news!

FR: Inscrivez-vous à notre liste de distribution si vous souhaitez suivre l'actualité de nos produits!

NL: Abonneer je vandaag nog op onze mailinglijst en ontvang ons laatste product nieuws!

DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!

ES: Suscríbete hoy a nuestra lista de correo para recibir las últimas noticias!

PT: Inscreva-se hoje na nossa mailing list para estar a par das últimas notícias!

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