

USER'S MANUAL  
BEDIENUNGSANLEITUNG  
MANUEL D'UTILISATION  
MANUAL DE USUARIO  
INSTRUKCJA OBSŁUGI  
MANUALE D' USO



# VIBZ 6

**6-CHANNEL** MIXING CONSOLES

LDVIBZ6, LDVIBZ6D WITH DFX

**CONTENTS / INHALTSVERZEICHNIS / CONTENU / CONTENIDO / TREŚĆ / CONTENUTO**

**ENGLISH**

PREVENTIVE MEASURES  
INTRODUCTION  
QUICK START GUIDE WITH CABLING EXAMPLE  
CONNECTIONS, CONTROLS AND INDICATORS  
SPECIFICATIONS  
MANUFACTURER'S DECLARATIONS

**DEUTSCH**

SICHERHEITSHINWEISE  
EINFÜHRUNG  
SCHNELLSTARTANLEITUNG MIT VERKABELUNGSBEISPIEL  
ANSCHLÜSSE, BEDIEN- UND ANZEIGEELEMENTE  
TECHNISCHE DATEN  
HERSTELLERERKLÄRUNGEN

**FRANCAIS**

MESURES PRÉVENTIVES  
INTRODUCTION  
GUIDE DE PRISE EN MAIN RAPIDE AVEC  
EXEMPLE DE CÂBLAGE  
CONNECTEURS, CONTRÔLES ET INDICATEURS  
CARACTÉRISTIQUES TECHNIQUES  
DECLARATIONS

**ESPAÑOL**

3-4	MEDIDAS DE SEGURIDAD	33-34
4	INTRODUCCIÓN	34
5	GUÍA RÁPIDA DE CABLEADO	35
6-9	CONEXIONES, CONTROLES E INDICADORES	36-39
10-11	CARACTERÍSTICAS TÉCNICAS	40-42
12	DECLARACIÓN DEL FABRICANTE	42

**POLSKI**

13-14	ŚRODKI OSTROŻNOŚCI	43-44
14	INTRODUCTION	44
15	INSTRUKCJA SZYBKIEGO URUCHAMIANIA Z PRZYKŁADOWYM	
16-20	OKABLOWANIEM	45
20-21	PRZYŁĄCZA, ELEMENTY OBSŁUGI I WSKAŹNIKI	46-50
22	PRZYŁĄCZA, WYMIARY I MONTAŻ	50-52
	DEKLARACJE PRODUCENTA	52

**ITALIANO**

23-24	MISURE PRECAUZIONALI	53-54
24	INTRODUZIONE	54
25	GUIDA ALL'AVVIO RAPIDO CON ESEMPIO DI CABLAGGIO	55
26-29	CONNESSIONI, COMANDI E INDICATORI	56-59
30-31	DATI TECNICI	60-61
32	DICHIARAZIONI DEL PRODUTTORE	62

## YOU'VE MADE THE RIGHT CHOICE!

We have designed this product to operate reliably over many years. LD Systems stands for this with its name and many years of experience as a manufacturer of high-quality audio products. Please read this User's Manual carefully, so that you can begin making optimum use of your LD Systems product quickly.

You can find more information about **LD-SYSTEMS** at our Internet site [WWW.LD-SYSTEMS.COM](http://WWW.LD-SYSTEMS.COM)

## PREVENTIVE MEASURES

1. Please read these instructions carefully.
2. Keep all information and instructions in a safe place.
3. Follow the instructions.
4. Observe all safety warnings. Never remove safety warnings or other information from the equipment.
5. Use the equipment only in the intended manner and for the intended purpose.
6. Use only sufficiently stable and compatible stands and/or mounts (for fixed installations). Make certain that wall mounts are properly installed and secured. Make certain that the equipment is installed securely and cannot fall down.
7. During installation, observe the applicable safety regulations for your country.
8. Never install and operate the equipment near radiators, heat registers, ovens or other sources of heat. Make certain that the equipment is always installed so that it is cooled sufficiently and cannot overheat.
9. Never place sources of ignition, e.g., burning candles, on the equipment.
10. Ventilation slits must not be blocked.
11. Do not use this equipment in the immediate vicinity of water (does not apply to special outdoor equipment - in this case, observe the special instructions noted below. Do not expose this equipment to flammable materials, fluids or gases. Avoid direct sunlight!
12. Make certain that dripping or splashed water cannot enter the equipment. Do not place containers filled with liquids, such as vases or drinking vessels, on the equipment.
13. Make certain that objects cannot fall into the device.
14. Use this equipment only with the accessories recommended and intended by the manufacturer.
15. Do not open or modify this equipment.
16. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
17. During transport, make certain that the equipment cannot fall down and possibly cause property damage and personal injuries.
18. If your equipment is no longer functioning properly, if fluids or objects have gotten inside the equipment or if it has been damaged in another way, switch it off immediately and unplug it from the mains outlet (if it is a powered device). This equipment may only be repaired by authorized, qualified personnel.
19. Clean the equipment using a dry cloth.
20. Comply with all applicable disposal laws in your country. During disposal of packaging, please separate plastic and paper/cardboard.
21. Plastic bags must be kept out of reach of children.

## FOR EQUIPMENT THAT CONNECTS TO THE POWER MAINS

22. **CAUTION:** If the power cord of the device is equipped with an earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.
23. If the equipment has been exposed to strong fluctuations in temperature (for example, after transport), do not switch it on immediately. Moisture and condensation could damage the equipment. Do not switch on the equipment until it has reached room temperature.
24. Before connecting the equipment to the power outlet, first verify that the mains voltage and frequency match the values specified on the equipment. If the equipment has a voltage selection switch, connect the equipment to the power outlet only if the equipment values and the mains power values match. If the included power cord or power adapter does not fit in your wall outlet, contact your electrician.
25. Do not step on the power cord. Make certain that the power cable does not become kinked, especially at the mains outlet and/or power adapter and the equipment connector.
26. When connecting the equipment, make certain that the power cord or power adapter is always freely accessible. Always disconnect the equipment from the power supply if the equipment is not in use or if you want to clean the equipment. Always unplug the power cord and power adapter from the power outlet at the plug or adapter and not by pulling on the cord. Never touch the power cord and power adapter with wet hands.
27. Whenever possible, avoid switching the equipment on and off in quick succession because otherwise this can shorten the useful life of the equipment.
28. **IMPORTANT INFORMATION:** Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service centre.
29. To disconnect the equipment from the power mains completely, unplug the power cord or power adapter from the power outlet.
30. If your device is equipped with a Volex power connector, the mating Volex equipment connector must be unlocked before it can be removed. However, this also means that the equipment can slide and fall down if the power cable is pulled, which can lead to personal injuries and/or other damage. For this reason, always be careful when laying cables.
31. Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.



### CAUTION:

To reduce the risk of electric shock, do not remove cover (or back). There are no user serviceable parts inside. Maintenance and repairs should be exclusively carried out by qualified service personnel.



The warning triangle with lightning symbol indicates dangerous uninsulated voltage inside the unit, which may cause an electrical shock.



The warning triangle with exclamation mark indicates important operating and maintenance instructions.



Warning! This symbol indicates a hot surface. Certain parts of the housing can become hot during operation. After use, wait for a cool-down period of at least 10 minutes before handling or transporting the device.

### CAUTION! HIGH VOLUMES IN AUDIO PRODUCTS!

This device is meant for professional use. Therefore, commercial use of this equipment is subject to the respectively applicable national accident prevention rules and regulations. As a manufacturer, Adam Hall is obligated to notify you formally about the existence of potential health risks.

Hearing damage due to high volume and prolonged exposure: When in use, this product is capable of producing high sound-pressure levels (SPL) that can lead to irreversible hearing damage in performers, employees, and audience members. For this reason, avoid prolonged exposure to volumes in excess of 90 dB.

## INTRODUCTION

### LDVIBZ6 - 6-channel Mixer

The VIBZ 6 is a compact 6-channel mixer which is perfectly suited to entertainers, small bands, home recording and installations. It features two balanced microphone inputs with high-quality preamps, phantom power and 3-band EQ with +/-15 dB adjustment scope, two stereo line inputs with 2-band EQ, which are mono-compatible, and an effects loop.

The master section of the VIBZ 6 is equipped with adjustable monitor outputs and a headphone jack. The mixer also has inputs and outputs for recording and playback devices, is extremely easy to use and offers a warm differentiated sound. The external power supply can be screwed on tightly.

### LDVIBZ6D - 6-channel Mixer with Digital Effects Device

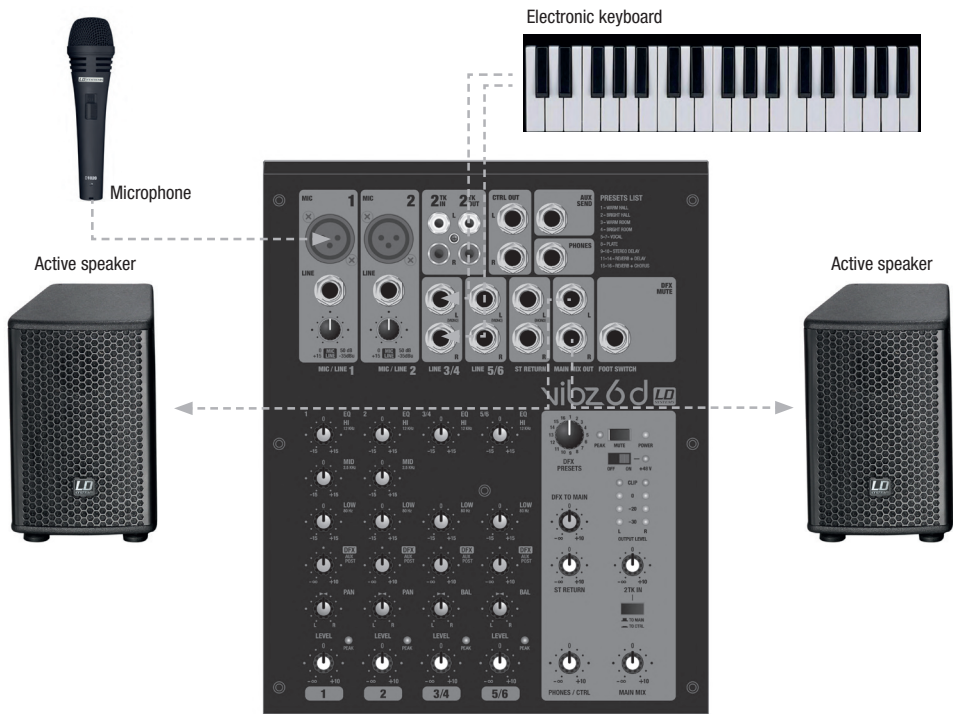
The VIBZ 6 D is a compact 6-channel mixer which is perfectly suited to entertainers, small bands, home recording and installations. It features two balanced microphone inputs with high-quality preamps, phantom power and 3-band EQ with +/-15 dB adjustment scope, two stereo line inputs with 2-band EQ, which are mono-compatible, and an effects loop.

The master section of the VIBZ 6 D is equipped with adjustable monitor outputs, a headphone jack and 16 digital effects presets, which are foot-switchable. The mixer also has inputs and outputs for recording and playback devices, is extremely easy to use and offers a warm differentiated sound. The external power supply can be screwed on tightly.

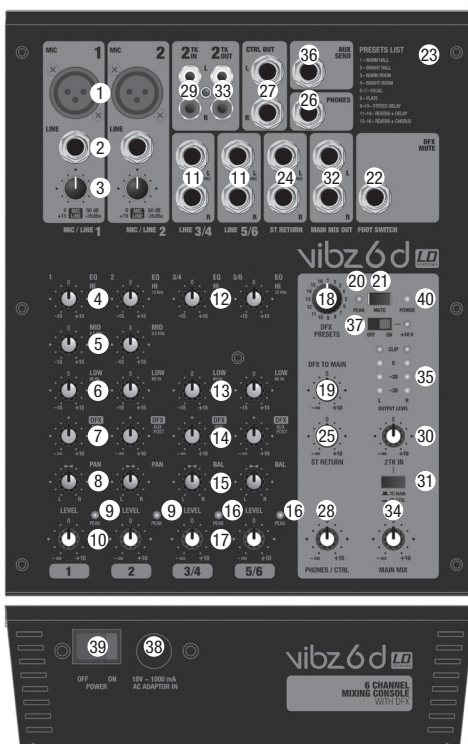
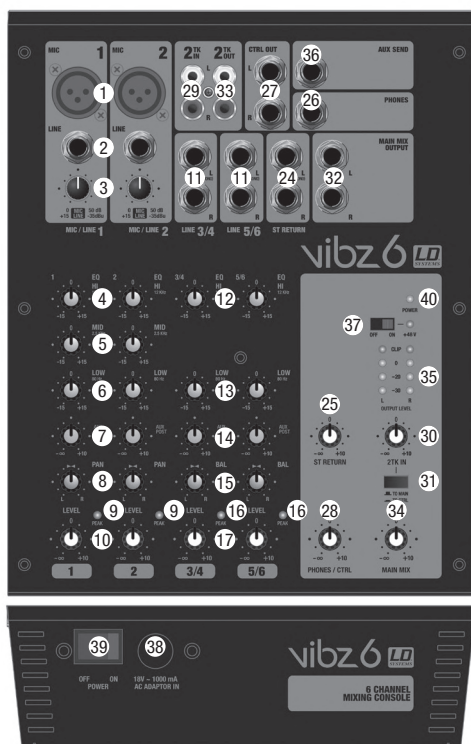
## QUICK START GUIDE WITH CABLING EXAMPLE

1. Make sure that the mixer and all devices to be connected to the mixer, are turned off.
2. Connect the devices to the mixer using appropriate cables.
3. Adjust the input gain of the mono channels 1 and 2 and all level controllers channel-LEVEL and MAIN MIX to minimum (left stop). Place all equalizer controllers in the central position (stop). Adjust the volume controller on the active loudspeaker to minimum. Turn on the +48 V phantom power on the mixer only if you are using a condenser microphone.
4. Turn on the devices in the following order: Microphone and keyboard (or other source devices), the mixer and lastly the active speakers.
5. Always adjust the gain control of the mono channels so that the peak LED of the corresponding channel only lights up briefly when signal peaks occur. Avoid the permanent lighting of the peak LED by reducing the input gain (Gain).
6. Channels 3/4 and 5/6: Adjust the output level of the keyboard (or other source devices) so that the peak LED above the corresponding channel only lights up briefly when signal peaks occur. Avoid the permanent lighting of the peak LED.
7. Bring the level controllers (LEVEL) of the channels in use and of the sum channel MAIN MIX approximately to the 3 o'clock position.
8. Now increase the volume of the active speakers for the incoming signal (e.g. speaking, singing, keyboard) to the desired level.
9. Fine-tuning can now be achieved by adjusting the volume ratios of the channels and by using the equalizer and effects device (model LDVIBZ6D only) as desired.

**NOTE:** When turning off the devices, please follow these steps: First, set the volume of the active speakers to minimum and turn them off, then the mixer and connected devices can be switched off.



## CONNECTIONS, CONTROLS AND INDICATORS



### 1 MIC IN CHANNEL 1 / 2

Balanced inputs of the mono channels 1 and 2 with 3-pin XLR sockets for connecting microphones. A 48 V phantom power supply is available for operating condenser microphones, and it can be switched centrally to the XLR sockets (N° 37). Please set the Gain controller (N 3) to minimum (left stop) before connecting or disconnecting a microphone; and switch on the phantom power only after connecting the microphone, or off before disconnecting.

### 2 LINE IN CHANNEL 1 / 2

Balanced inputs of the mono channels 1 and 2 with 6.3 mm jack to connect a source device with a line level. Please set the Gain controller (N 3) to minimum (left stop) before connecting or disconnecting jack cables.

### 3 GAIN CHANNEL 1 / 2

Adjusting the gain of the microphone input from 0 to 50 dB, or the sensitivity of the line input from +15 dBu to -35 dBu. Adjust the Gain controller so that the peak LED of the corresponding channel only lights up briefly when signal peaks occur. Avoid the permanent lighting of the peak LED by reducing the input gain or input sensitivity.

### 4 EQUALIZER HI CHANNEL 1 / 2

Equalizer high band for channels 1 or 2 (12 kHz, +/-15 dB). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

### 5 EQUALIZER MID CHANNEL 1 / 2

Equalizer mid band for channels 1 or 2 (2.5 kHz, +/-15 dB). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

**6 EQUALIZER LOW CHANNEL 1 / 2**

Equalizer bass band for channels 1 or 2 (80 Hz, +/-15 dB). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

**7 LEVEL DFX / AUX POST CHANNEL 1 / 2**

Controller for adding the signal from channel 1 or 2 to the internal digital effects device (only on LDVIBZ6D), or to an external effect device. The effect way is switched post-fader, so the signal is taken after the channel level control. Use the Line Output AUX SEND (N 36) for activating an external effect.

**8 PAN L / R CHANNEL 1 / 2**

Using the Panorama controller, position the signal of the corresponding channel in the stereo field of the total signal (Centre position = perception of the signal in the middle of the stereo field).

**9 PEAK-LED CHANNEL 1 / 2**

Once the red Peak LED lights up, the corresponding channel is operating at the distortion limit. Adjust the Gain controller (N 3) so that the peak LED of the corresponding channel only lights up briefly when signal peaks occur. Avoid the permanent lighting of the peak LED by reducing the input gain or input sensitivity.

**10 LEVEL CHANNEL 1 / 2**

Volume controller for channels 1 or 2. Turning the dial to the right increases the volume and turning it to the left decreases it.

**11 LINE IN L / R CHANNEL 3/4 OR 5/6**

Unbalanced inputs for the stereo channels 3/4 or 5/6 with 6.3 mm jacks to connect external devices with line level (e.g. keyboard). If only the left input jack is used (L), the channel will be mono.

**12 EQUALIZER HI CHANNEL 3/4 OR 5/6**

Equalizer high band for channels 3/4 or 5/6 (12 kHz, +/-15 dB). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

**13 EQUALIZER LOW CHANNEL 3/4 OR 5/6**

Equalizer bass band for channels 3/4 or 5/6 (80 kHz, +/-15 dB). When turned to the left, levels are lowered, when turned to the right, they are raised. In the centre position (resting point), the equalizer is inactive.

**14 LEVEL DFX / AUX POST CHANNEL 3/4 OR 5/6**

Controller for adding the signal from channel 3/4 or 5/6 to the internal digital effects device (only on LDVIBZ6D) or to an external effects device. The effect way is switched post-fader, so the signal is taken after the channel level control. Use the Line Output AUX SEND (N 36) for activating an external effect.

**15 BAL L / R CHANNEL 3/4 OR 5/6**

Use the balance controller to set the relative volume between the left and right part of the connected stereo signal. When only the left socket L (MONO) of the input is in use, the controller performs the function of a Panorama controller.

**16 PEAK-LED CHANNEL 3/4 OR 5/6**

Once the red Peak LED lights up, the corresponding channel is operating at the distortion limit. Adjust the output level of the source device so that the peak LED of the corresponding channel only lights up briefly when signal peaks occur. Avoid the permanent lighting of the peak LED.

**17 LEVEL CHANNEL 3/4 OR 5/6**

Volume controller for channels 3/4 or 5/6. Turning the dial to the right increases the volume and turning it to the left decreases it.

**18 DFX PRESETS (MODEL LDVIBZ6D ONLY)**

16 different effects presets are available to you. Use the rotary encoder to select one of the presets as desired.

**19 DFX TO MAIN (MODEL LDVIBZ6D ONLY)**

Volume controller for adding the effects signal of the internal effects device to the sum channel MAIN MIX. Turning the dial to the right increases the volume and turning it to the left decreases it.

**20 DFX PEAK LED (MODEL LDVIBZ6D ONLY)**

Once the red Peak LED lights up, the input of the internal effects device is operating at the distortion limit. Adjust the Effect Send controller of the input channels (N 7, N 14) so that the peak LED of the corresponding channel only lights up briefly when signal peaks occur.

**21 DFX MUTE (MODEL LDVIBZ6D ONLY)**

In order to mute the internal effects device, briefly press the DFX Mute button once, and again to turn mute off. If Mute is active, the DFX Peak LED lights up continuously.

**22 DFX MUTE FOOTSWITCH (MODEL LDVIBZ6D ONLY)**

6.3 mm jack socket for connecting a foot switch (pedal) to remotely activate and disable the mute function of the internal effects device (footswitch optional).

**23 EFFECTS LIST (MODEL LDVIBZ6D ONLY)**

List of effects programs for the internal effects device.

**24 ST RETURN L / R**

Unbalanced stereo line input with 6.3 mm jack sockets for connecting an external effects device (left input = mono), or another source device with a line level. Use the AUX SEND jack socket in order to activate an external effects device. When using the AUX SEND jack socket, the internal effects device (only on model LDVIBZ6D) is automatically bypassed, and is therefore not usable.

**25 ST RETURN**

Volume controller for the stereo line input ST RETURN (N 24). Turning the dial to the right increases the volume and turning it to the left decreases it.

**26 PHONES**

Headphone connection with 6.3 mm stereo jack. Output of the sum channel signal MAIN MIX. The volume can be adjusted via the PHONES / CTRL volume controller (N 28) and is independent of the volume of the MAIN MIX level controller. Use headphones with a minimum impedance of 30 ohms and make sure that the volume stays at a pleasant level, in order to avoid hearing damage caused by loud noise.

**27 CTRL OUT L / R**

Unbalanced stereo line output with 6.3 mm jack sockets to connect active monitors etc... Output of the sum channel signal MAIN MIX. The volume can be adjusted via the PHONES / CTRL volume controller (N 28) and is independent of the volume of the MAIN MIX level controller.

**28 PHONES / CTRL**

Volume controller for the stereo line output CTRL (N 27) and the headphone output PHONES (N 26). When using headphones, make sure that the volume stays at a pleasant level, in order to avoid hearing damage caused by loud noise.

**29 2 TK IN**

Unbalanced stereo line input with RCA sockets for connecting an external audio source with line level (e.g. MP3 player).

**30 2 TK IN LEVEL**

Volume controller for the stereo line input 2 TK IN (N 29). Turning the dial to the right increases the volume and turning it to the left decreases it.

**31 2 TK IN TO MAIN / TO CTRL**

This switch allows you to route the incoming signal of the stereo line input 2TK IN either to the stereo line output MAIN MIX OUT, CTRL OUT and the headphone output PHONES (not pressed down = TO MAIN), or exclusively to the stereo line output CTRL OUT and the headphone output PHONES (pressed down = TO CTRL).



**32 MAIN MIX OUT**

Unbalanced stereo line output with 6.3 mm jack sockets to connect an active PA system. Output of the master signal of the mixer.

**33 2 TK OUT**

Unbalanced stereo line output with RCA sockets for connecting an external recording device (e.g. laptop). Output of the master signal of the mixer.

**34 MAIN MIX**

Volume controller for the stereo line outputs MAIN MIX OUT (N 32) and 2 TK OUT (N 33) Turning the dial to the right increases the volume and turning it to the left decreases it. Before you turn on the power of the connected PA system, set the volume controller to minimum (left stop).

**35 OUTPUT METER**

4-segment LED level display for visualising the volume level of the stereo sum channel. To avoid distortion, reduce the volume level of the output channel as soon as the red CLIP LED lights up.

**36 AUX SEND**

Unbalanced mono line output with 6.3 mm jack sockets to activate an external effects device (POST fader). LDVIBZ6D: When using the AUX SEND jack socket, the internal effects device is automatically bypassed, and is therefore not usable.

**37 +48V ON / OFF**

+48 V phantom power supply for operating high-quality condenser microphones without own power supply. Move the switch to the ON position (red LED light is on) to turn on the phantom power for the XLR microphone inputs, and to the OFF position to turn it off (red LED light is off). Turn on the phantom power only after connecting a microphone, or off after disconnecting, and set the volume controller of the mono channels 1 and 2 to minimum (left stop) before this step.

**38 DC ADAPTOR IN**

Screwable low-voltage socket for the power supply of the mixer. Please use only the supplied AC power supply to avoid damage to the mixer. Turn on the mixer only after connecting the power supply to the mains and the low-voltage socket. The mains voltage of your power supplier and the operating voltage of the device must be the same!

**39 POWER ON / OFF**

On / Off switch for the power supply of the device.

**40 POWER LED**

The power LED lights up once the system is properly connected to the power mains and is switched on.

**Note:** A mounting point for the optional microphone stand adapter LDVIBZMSADAPTOR is located on the underside of the device.



LDVIBZMSADAPTOR

## SPECIFICATIONS

Model Name:	LDVIBZ6	LDVIBZ6D
Product Type:	analogue mixer	analogue mixer
Type:	Live / Home recording	Live / Home recording
Number of Channels:	6	6
<b>Mono Channels:</b>		
Mono Mic/Line Input Channels:	2	2
Mono Mic/Line Input Connections:	6.3 mm stereo jack, XLR	6.3 mm stereo jack, XLR
Mono Mic Input Type:	electronically balanced, discreet design	electronically balanced, discreet design
Frequency Response Mono Mic Input:	10 - 45,000 Hz	10 - 45,000 Hz
Amplification Range Mono Mic Input:	50 dB	50 dB
Channel Crosstalk:	62 dB	62 dB
THD Mono Mic Input:	0.0058%	0.0058%
Impedance Mono Mic Input:	4 kOhm	4 kOhm
S/N Ratio Mono Mic Input:	113 dB	113 dB
Mono Line Input Type:	electronically balanced, discreet design	electronically balanced, discreet design
Amplification Range Mono Line Input:	50 dB	50 dB
THD Mono Line Input:	0.0045%	0.0045%
Impedance Mono Line Input:	21 kOhm	21 kOhm
S/N Ratio Mono Line Input:	116 dB	116 dB
Mono Channel Equalizer Treble:	+/-15 dB @ 12 kHz	+/-15 dB @ 12 kHz
Mono Channel Equalizer Mids:	+/-15 dB @ 2.5 kHz	+/-15 dB @ 2.5 kHz
Mono Channel Equalizer Bass:	+/-15 dB @ 80 Hz	+/-15 dB @ 80 Hz
Phantom Power:	+48 V DC switchable to XLR inputs	+48 V DC switchable to XLR inputs
Control Elements Channel 1 - 2:	Gain, EQ Hi, EQ Mid, EQ Low, Aux, Pan, Level	Gain, EQ Hi, EQ Mid, EQ Low, DFX, Pan, Level
<b>Stereo Channels:</b>		
Stereo Line Input Channels:	2	2
Stereo Line Input Connections:	2 x 6.3 mm stereo jack (Lmono, R)	2 x 6.3 mm stereo jack (Lmono, R)
Stereo Line Input Type:	unbalanced	unbalanced
Frequency Response Stereo Line Input:	10 - 45,000 Hz	10 - 45,000 Hz
Amplification Range Stereo Line Input:	50 dB	50 dB
Channel Crosstalk:	62 dB	62 dB
THD Stereo Line Input:	0.0045%	0.0045%
Impedance Stereo Line Input:	3.7 kOhm	3.7 kOhm
S/N Ratio Stereo Line Input:	116 dB	116 dB
Stereo Channel Equalizer Treble:	+/-15 dB @ 12 kHz	+/-15 dB @ 12 kHz
Stereo Channel Equalizer Bass:	+/-15 dB @ 80 Hz	+/-15 dB @ 80 Hz
Control Elements Channels 3/4 + 5/6	EQ Hi, EQ Low, Aux, Bal, Level	EQ Hi, EQ Low, DFX, Bal, Level
<b>Main Section:</b>		
AUX/Effect Send Channels:	1	1
AUX/Effect Send Connections:	6.3 mm stereo jack, unbalanced	6.3 mm stereo jack, unbalanced
Stereo AUX Return Channels:	1	1
Stereo AUX Return Connections:	2 x 6.3 mm stereo jack	2 x 6.3 mm stereo jack
Stereo 2 TK Output Channel:	1 x stereo	1 x stereo
Stereo 2 TK Output Channel Connections:	2 x RCA (Cinch)	2 x RCA (Cinch)
Stereo 2 TK Input Channel:	1 x stereo	1 x stereo
Stereo 2 TK Input Channel Connections:	2 x RCA (Cinch)	2 x RCA (Cinch)
Unbalanced Stereo Main Outputs:	1	1
Unbalanced Stereo Main Output Connections:	6.3 mm stereo jack, unbalanced	6.3 mm stereo jack, unbalanced

Impedance Unbalanced Stereo Main Outputs:	120 ohms	120 ohms
Max. Level Unbalanced Stereo Main Outputs:	20 dBV	20 dBV
Stereo Control Room Outputs:	1	1
Stereo Control Room Output Connections:	2 x 6.3 mm jack	2 x 6.3 mm jack
Headphone Output:	1	1
Headphone Output Connections:	6.3 mm stereo jack	6.3 mm stereo jack
Minimum Headphone Impedance:	30 ohms	30 ohms
Digital Effects Processor:	n/a	yes
No. of Presets:	n/a	16
Foot Switch Connection DFX Mute:	n/a	6.3 mm jack (foot switch optional)
Control Elements Main Section:	ST Return, 2 TK In, 2 TK In To Main/To CTRL, Phones/CTRL, Phantom Power +48V, Main Mix, Power	DFX Presets, DFX Mute, DFX to Main, ST Return, 2 TK In, 2 TK In To Main/To CTRL, Phones/CTRL, Phantom Power +48V, Main Mix, Power

**Specifications:**

Display Elements:	Channel Peak, Power, Phantom Power, 2 x 4-segment level display	Channel Peak, Effects Peak, Power, Phantom Power, 2 x 4-segment level display
Power Supply:	18V DC / 1A, External PSU (included)	18V DC / 1A, External PSU (included)
Temperature Range For Operation:	0°C to +45°C	0°C to +45°C
Humidity Range For Operation:	10%rel - 80%rel	10%rel - 80%rel
Width:	209 mm	209 mm
Height:	68 mm	68 mm
Depth:	260 mm	260 mm
Weight:	1.45 kg	1.45 kg
Other Features:	microphone stand adapter optional (LDVIB-ZMSADAPTOR)	microphone stand adapter optional (LDVIB-ZMSADAPTOR)

## MANUFACTURER'S DECLARATIONS

### MANUFACTURER'S WARRANTY & LIMITATIONS OF LIABILITY

You can find our current warranty conditions and limitations of liability at: <http://www.adamhall.com/media/shop/downloads/documents/manufacturersdeclarations.pdf>. To request warranty service for a product, please contact Adam Hall GmbH, Adam-Hall-Str. 1, 61267 Neu Anspach / Email: [Info@adamhall.com](mailto:Info@adamhall.com) / +49 (0)6081 / 9419-0.



### CORRECT DISPOSAL OF THIS PRODUCT

(valid in the European Union and other European countries with a differentiated waste collection system)

■ This symbol on the product, or on its documents indicates that the device may not be treated as household waste. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. Please dispose of this product separately from other waste and have it recycled to promote sustainable economic activity. Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

### FCC STATEMENT

1. 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 interference received, including interference that may cause undesired operation
2. any 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 interference to 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.

### CE COMPLIANCE

Adam Hall GmbH states that this product meets the following guidelines (where applicable):

R&TTE (1999/5/EC) or RED (2014/53/EU) from June 2017

Low voltage directive (2014/35/EU)

EMV directive (2014/30/EU)

RoHS (2011/65/EU)

The complete declaration of conformity can be found at [www.adamhall.com](http://www.adamhall.com).

Furthermore, you may also direct your enquiry to [info@adamhall.com](mailto:info@adamhall.com).

### UKCA-CONFORMITY

Hereby, Adam Hall Ltd. declares that this product meets the following guidelines (where applicable)

Electrical Equipment (Safety) Regulations 2016

Electromagnetic Compatibility Regulations 2016 (SI 2016/1091)

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation 2012 (SI 2012/3032)

Radio Equipment Regulations 2017 (SI 2016/2015)

### UKCA-DECLARATION OF CONFORMITY

Products that are subject to Electrical Equipment (Safety) Regulation 2016, EMC Regulation 2016 or RoHS Regulation can be requested at [info@adamhall.com](mailto:info@adamhall.com).

Products that are subject to the Radio Equipments Regulations 2017 (SI2017/1206) can be downloaded from

**[www.adamhall.com/compliance/](http://www.adamhall.com/compliance/)**

### EU DECLARATION OF CONFORMITY

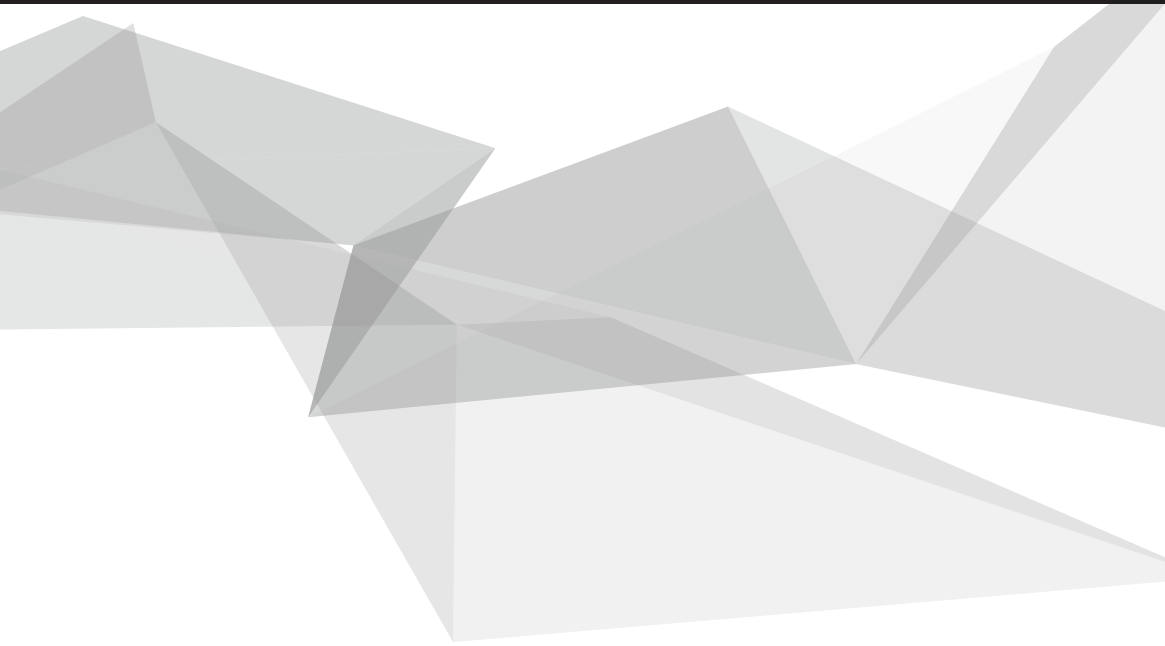
Hereby, Adam Hall GmbH declares that this radio equipment type is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following

internet address: **[www.adamhall.com/compliance/](http://www.adamhall.com/compliance/)**



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