USER'S MANUAL ENGLISH





# MON G3 SERIES

POWERD COAXIAL STAGE MONITOR LDMON8AG3 / LDMON10AG3 / LDMON12AG3 / LDMON15AG3

## CONTENTS / INHALTSVERZEICHNIS / CONTENU / CONTENIDO / TREŚĆ / CONTENUTO

## **ENGLISH**

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## **ENGLISH**

#### YOU HAVE MADE THE RIGHT CHOICE!

This device has been developed and manufactured to the highest quality standards to ensure many years of problem-free operation. This is what LD Systems stands for with its name and many years of experience as a manufacturer of high-quality audio products. Please read these operating instructions carefully so that you can quickly get the most out of your new LD Systems product.

You can find more information about **LD Systems** on our website WWW.**LD-SYSTEMS**.COM

### **ABOUT THIS MANUAL**

- Read the safety instructions and the entire manual carefully before commissioning.
- Observe the warnings on the unit and in the operating instructions.
- Always keep the operating instructions within reach.
- If you sell or pass on the appliance, be sure to hand over these operating instructions as well, as they are an essential part of the product.

#### **INTENDED USE**

The product is a device for event technology! This product has been developed for professional use in the field of event technology and is not suitable for use as domestic lighting! Furthermore, this product is only intended for qualified users with specialist knowledge of event technology! Use of the product outside the specified technical data and operating conditions is considered inappropriate! Liability for damage and third-party damage to persons and property due to inappropriate use is excluded! The product is not suitable for:

- Use by persons (including children) with limited physical, sensory or mental abilities or lack of experience and knowledge.
- Children (children must be instructed not to play with the device).

## **DEFINITIONS AND SYMBOL EXPLANATIONS**

- DANGER: The word DANGER, possibly in combination with a symbol, indicates immediately
  dangerous situations or conditions for life and limb.
- WARNING: The word WARNING, possibly in combination with a symbol, indicates potentially dangerous situations or conditions for life and limb.
- 3. **CAUTION:** The word CAUTION, possibly in combination with a symbol, is used to indicate situations or conditions that may lead to injury.
- ATTENTION: The word ATTENTION, possibly in combination with a symbol, refers to situations or states that can lead to damage to property and/or the environment.



This symbol identifies hazards that can cause electric shock.



This symbol identifies hazardous areas or hazardous situations.



This symbol indicates hazards caused by hot surfaces.



This symbol indicates dangers due to high volume levels.



This symbol indicates additional information on the operation of the product.



This symbol denotes a device that does not contain any user-serviceable parts.



This symbol indicates electrical equipment designed primarily for indoor use.

## **SAFETY INSTRUCTIONS**



#### **DANGER:**

- 1. Do not open the device and do not perform any modifications.
- 2. If your device no longer functions properly, if liquids or objects get inside it or if it has been damaged in any other way, switch it off immediately and disconnect it from the mains. The device may be repaired only by authorised repair technicians.
- For devices of protection class 1, the protective conductor must be connected correctly.
   Never disconnect the protective conductor. Devices of protection class 2 do not have a protective conductor.
- 4. Ensure that live cables are not kinked or otherwise mechanically damaged.
- 5. Never bypass the device fuse.



#### WARNING:

- 1. The device must not be put into operation if it shows obvious signs of damage.
- 2. The device may only be installed in a voltage-free state.
- 3. If the mains cable of the device is damaged, do not operate the device.
- 4. Permanently connected power cables may only be replaced by a qualified person.



#### ATTENTION:

- Do not operate the unit if it has been exposed to large temperature fluctuations (for example, after transport). Moisture and condensation can damage the device. Switch on the device only when it has reached room temperature.
- 2. Make sure that the voltage and frequency of the mains supply correspond to the values indicated on the unit. If the device has a voltage selector switch, do not connect the device until it has been set correctly. Use only suitable power cables.
- To disconnect the unit from the mains at all poles, it is not sufficient to press the on/off switch on the unit
- 4. Make sure that the fuse used corresponds to the type printed on the unit.
- Make sure that appropriate measures have been taken against overvoltage (e.g. lightning strike).
- 6. Observe the specified maximum output current on units with Power Out connection. Ensure that the total current consumption of all connected devices does not exceed the specified value.
- 7. Replace pluggable mains cables only with original cables.



## **DANGER:**

- 1. Danger of suffocation! Plastic bags and small parts must be kept out of reach of persons (including children) with reduced physical, sensory or mental capabilities.
- Danger from falling down! Make sure that the device is securely installed and will not fall down. Only use suitable stands or mounts (particularly for fixed installations). Ensure that accessories are properly installed and secured. Ensure that applicable safety regulations are observed.



## **WARNING:**

- 1. Use the device only in the manner intended.
- Operate the appliance only with the accessories recommended and intended by the manufacturer.
- 3. During installation, observe the safety regulations applicable in your country.
- After connecting the unit, check all cable routes to avoid damage or accidents, e.g. due to tripping hazards.
- 5. Always observe the specified minimum distance to normally flammable materials! Unless explicitly stated, the minimum distance is 0.3 m.



#### **CAUTION:**

 In the case of moving components such as mounting brackets or other moving components, there is a possibility of iamming.



#### ATTENTION:

- Do not install or use the device in the vicinity of radiators, accumulators, stoves, or other heat sources. Ensure that the device is always installed in such a way that it is sufficiently cooled and cannot overheat.
- 2. Do not place ignition sources such as burning candles near the device.
- 3. Ventilation openings must not be covered and fans must not be blocked.
- 4. Use the original packaging or packaging provided by the manufacturer for transport.
- 5. Avoid shock or impact to the unit.
- 6. Observe the IP protection class as well as the ambient conditions such as temperature and humidity according to the specification.
- Devices can be constantly further developed. In the event of deviating information on operating conditions, performance or other device properties between the user manual and the device labelling, the information on the device always takes priority.
- 8. The unit is not suitable for tropical climates and for operation above 2000 m above sea level.



#### CAUTION:

Connecting signal cables can cause a lot of noise. Make sure that devices connected to the output are muted when plugged in. Otherwise, noise levels may cause damage.



#### **CAUTION: HIGH VOLUME AUDIO PRODUCTS!**

This device is designed for professional use.

The commercial operation of this device is subject to the applicable national regulations and guidelines for accident prevention.

Hearing damage due to high volume and continuous exposure: Use of this product may produce high sound pressure levels (SPL) which may cause hearing damage. Avoid exposure to high volumes.



#### NOTES FOR MOBILE INDOOR DEVICES

- 1. Temporary operation! Event equipment is generally designed for temporary use only.
- Continuous operation or permanent installation can impair the functioning of the device and cause premature ageing.

#### **PACKAGING CONTENT**

Remove the product from the packaging and remove all packaging material. Please check the completeness and integrity of the delivery and notify your distribution partner immediately after purchase if the delivery is not complete or if it is damaged.

The packaging content of the product **MON 8 A G3** includes: 1x MON 8 A G3 powered coaxial stage monitor 1x Power cord
User manual

The packaging content of the product **MON 10 A G3** includes: 1x MON 10 A G3 powered coaxial stage monitor 1x Power cord
User manual

The packaging content of the product **MON 12 A G3** includes: 1 x MON 12 A G3 powered coaxial stage monitor 1x Power cord
User manual

The packaging content of the product **MON 15 A G3** includes: 1 x MON 15 A G3 powered coaxial stage monitor 1x Power cord
User manual

#### INTRODUCTION

Unlocking the potential of advanced stage monitoring for musicians, DJs and audio engineers. This thought guided our developers as they completely reimagined the concept of our MON stage monitor series to create the perfect package. A harmonious blend of advanced acoustics, clever features, intuitive operation, durable materials and the elegant LD Systems design propels the new MON G3 Series one step beyond.

## FEATURES MON 8 A G3

- Compact high-performance stage monitor with top-of-the-range technologies
- Class-D power amplifier with 300 W RMS/1200 W peak and 121 dB max. SPL
- Coaxial design for true point source with a 1.75" titanium-diaphragm HF driver
- 8" woofer with 2.5" voice coil
- Optimised, practical radiation pattern due to 50° x 90° CD horn
- DynX® DSP (Gen.2) for distortion-free sound even at maximum volume
- 3-band EQ, Notch filter, 4 application presets and delay function
- PowerCON compatible loop-through professional power connection
- 35 mm speaker stand flange for FOH applications
- Durable Polyurea coating and heavy-duty front grille

#### **MON 10 A G3**

- Compact high-performance stage monitor with top-of-the-range technologies
- Class-D power amplifier with 300 W RMS/1200 W peak and 126 dB max. SPL
- Coaxial design for true point source with a 1.75" titanium-diaphragm HF driver
- 10" woofer with 2.5" voice coil
- Optimised, practical radiation pattern due to 50° x 90° CD horn
- $\mbox{\rm DynX}^{\mbox{\tiny @}}$  DSP (Gen.2) for distortion-free sound even at maximum volume
- $\boldsymbol{\cdot}$  3-band EQ, Notch filter, 4 application presets and delay function
- PowerCON compatible loop-through professional power connection
- 35 mm speaker stand flange for FOH applications
- Durable Polyurea coating and heavy-duty front grille

#### MON 12 A G3

- Compact high-performance stage monitor with top-of-the-range technologies
- Class-D power amplifier with 300 W RMS/1200 W peak and 127 dB max. SPL
- Coaxial design for true point source with a 1.75" titanium-diaphragm HF driver
- 12" woofer with 2.5" voice coil
- Optimised, practical radiation pattern due to 50° x 90° CD horn
- DynX® DSP (Gen.2) for distortion-free sound even at maximum volume
- 3-band EQ, Notch filter, 4 application presets and delay function
- PowerCON compatible loop-through professional power connection
- 35 mm speaker stand flange for FOH applications
- Durable Polyurea coating and heavy-duty front grille

#### MON 15 A G3

- Compact high-performance stage monitor with top-of-the-range technologies
- Class-D power amplifier with 300 W RMS/1200 W peak and 129 dB max. SPL
- Coaxial design for true point source with a 1.75" titanium-diaphragm HF driver
- 15" woofer with 3" voice coil
- Optimised, practical radiation pattern due to 50° x 90° CD horn
- DynX® DSP (Gen.2) for distortion-free sound even at maximum volume
- 3-band EQ, Notch filter, 4 application presets and delay function
- PowerCON compatible loop-through professional power connection
- 35 mm speaker stand flange for FOH applications
- Durable Polyurea coating and heavy-duty front grille

#### **ASSEMBLY**



**DANGER:** Always place the active monitor in a suitable location on a sufficiently stable, level and horizontal surface. Make sure that the monitor cannot fall off the edge of a stage (e.g. due to vibration). There is a risk that units that have not been set up and positioned correctly will fall over or down. This can cause serious injury or death.

#### **DEVICE COMPONENTS**

## 1 RECESSED GRIP

One ergonomically shaped recessed grip each is located on the left and right below the front grille.

## 2 STAND FLANGE

A 35 mm flange is located on the left side of the housing. Only use suitable speaker stands!

## **3** RUBBER FEET

Four non-slip rubber feet are located on the underside of the cabinet. Three non-slip rubber feet are located on the left-hand side of the cabinet for safe parking and for upright assembly.

## **4** CONNECTION PANEL

The recessed connection and operating panel with display is located on the right-hand side of the housing.

## **5** HEAT SINK

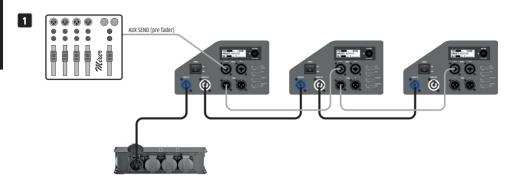
A heat sink is located on the back of the housing. Do not cover the heat sink during operation and ensure that air can circulate freely.

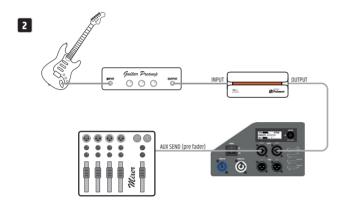
## **6** FRONT GRILLE

For a homogeneous appearance and to protect the speakers, there is a sturdy protective grille on the front of the enclosure.



## **WIRING EXAMPLES**





## **CONNECTIONS, OPERATING AND DISPLAY ELEMENTS**

The connection and control panels of the MON 8 A G3 to MON 15 A G3 active monitors are identical and are located on the right-hand side of the corresponding enclosure.



## 1 POWER IN

Blue Power Twist mains input socket for the power supply of the active monitor (PowerCON compatible). A suitable power cable is included.

## 2 POWER ON/OFF

On/off switch. Always switch on the monitor as the last unit in the signal chain and switch it off again as the first unit

## **3** POWER OUT

White Power Twist mains output socket for supplying power to additional active monitors (PowerCON compatible). Ensure that the total power consumption of all devices connected to the device does not exceed the given ampere (A) value.

## 4 INPUT 1 / 2

Balanced audio inputs of channels 1 and 2 with XLR/jack combo sockets. The signals of the two channels are internally summed mono.

## 5 THRU 1 / 2

Line outputs 1 and 2 with male 3-pin XLR sockets (output signal = input signal).

## **6** LC DISPLAY

Multifunctional graphic LC display for showing the overall volume, the DSP preset and the input levels for channels 1 and 2 in the main display. The menu items, sub-menu items and corresponding editing options are displayed in the editing menu.

## **7** VOLUME / PUSH FOR MENU

Starting from the main display, the overall volume can be adjusted directly by turning the rotary-push encoder. Press the rotary-push encoder to enter the editing menu. Navigate the edit menu using the rotary-push encoder, adjust system settings and change values in the corresponding menu items.

## 8 LOCK

To protect the active monitor from unauthorised or accidental operation, the operation can be locked by encoder. Press the encoder for about two seconds to activate the lock, after which a lock symbol and "LOCKED" will appear in the display for a short time, as will an attempt to enter the menu using the encoder. To unlock, press the encoder again for about two seconds (UNLOCKED).

## 9 PRESET

Designation of the presets with graphic representation of the corresponding frequency curve.

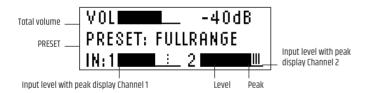
#### **OPERATION**

#### NOTES

As soon as the monitor is correctly connected to the mains and switched on, the LD Systems logo appears on the display for a short time. All settings, such as preset, EQ and delay are loaded as they were before the monitor was switched off. After this process, which only takes about one second, the monitor is ready for operation.

#### **MAIN DISPLAY**

In normal operation, the main display is activated and the display shows the set overall volume, the activated speaker preset and the input levels of channels 1 and 2 (see illustration).



#### **VOLUME**

Starting from the main display, the overall volume can be adjusted directly by turning the rotary-push encoder VOLUME / PUSH FOR MENU. The indication in the display changes automatically to the corresponding representation when the encoder is turned (see illustration below). After about 12 seconds of inactivity, the main display is automatically shown again; pressing the encoder immediately changes the display to the main display.



## **AUDIO SETTINGS (AUDIO)**

Press the rotary-push encoder to enter the main menu and then select the **AUDIO** menu item by turning the encoder (dark background). Press the encoder again to enter the sub-menu and select the desired sub-menu item by turning the encoder. Confirm your entry by pressing the encoder. Change a value or status by turning the encoder, confirm the value or status change by pressing the encoder. The sub-menu items and the corresponding information can be found in the following table. Select MAIN MENU in the submenu to and press the encoder to return to the main menu, select the HOME in the main menu, confirm by pressing the encoder, then return to the main display. The main display will automatically appear after approximately 12 seconds of inactivity.





AUDIO (change va	alue or status = turn encoder, confirm val	ue change or	equest information = pres	s encoder)	
<b>⇒MAIN MENU</b>	Back to the main menu				
PRESET	Selection of the loudspeaker preset	FULLRANGE	FREQ FU RA	LL NGE	
		FLAT	FREQ	AT	
		MONITOR	FREQ	ONITOR	
		MON HPF	MC HP	ONITOR F	
HIGH EQ	Setting the treble frequencies from -10 dB to +10 dB				
MID EQ	Adjusting the centre frequencies from -10 dB to +10 dB				
LOW EQ	Adjusting the bass frequencies from -10 dB to +10 dB				
NOTCH GAIN	Narrow band reduction of a feedback frequency 0 to -12 dB				
NOTCH FREQ	Setting the feedback frequency from 500 Hz to 10 kHz				
DELAY	Time delay of the audio signal in 0.1 m steps up to 10 m (0m = 0FF, display in metres and feet)				

## **SYSTEM SETTINGS (SETTINGS)**

Press the rotary-push encoder to enter the main menu and then select the **SETTINGS** menu item by turning the encoder (dark background). Press the encoder again to enter the sub-menu and select the desired sub-menu item by turning the encoder. Confirm your entry by pressing the encoder. Change a value or status by turning the encoder, confirm the value or status change by pressing the encoder. The sub-menu items and the corresponding information can be found in the following table. Select MAIN MENU in the submenu to and press the encoder to return to the main menu, select HOME in the main menu to, confirm by pressing the encoder, then return to the main display. The main display will automatically appear after approximately 12 seconds of inactivity.





SETTINGS (change value or status = turn encoder, confirm value change or request information = press encoder)					
→ MAIN MENU	Back to the main menu				
LCD DIM	Automatic display dimming	ON	Display illumination is automatically switched off after approx. 10 seconds of inactivity		
		OFF	Display lighting permanently on		
BRIGHTNESS	Setting the display brightness (0 – 100%)				
CONTRAST	Setting the display contrast (0 – 100%)				
INFO	Display of model number and software version				
FACTORY DEFAULT	Reset to factory settings		CANCEL Cancel reset		
			RESET →	SURE? YES	Perform reset
				CANCEL	Cancel reset

## **CARE, MAINTENANCE AND REPAIR**

In order to ensure the long-term, proper functioning of the device, it must be regularly cleaned and if necessary, maintained. The maintenance requirement depends on the intensity of use and the environment in which it is used.

We generally recommend a visual inspection before each operation. Furthermore, we recommend carrying out all the applicable maintenance measures specified below once every 500 operating hours or, in the case of a lower intensity of use, at the latest after one year. Warranty claims may be limited in the event of defects resulting from inadequate maintenance.

#### **CARE** (CARRIED OUT BY USER)



**WARNING!** Before carrying out any maintenance work the power supply and if possible all device connections must be unplugged.



**NOTE!** Improper care can lead to impairment or even destruction of the unit.

- Housing surfaces must be cleaned with a clean, damp cloth. Make sure that no moisture can penetrate the device.
- Air inlets and outlets must be regularly cleaned of dust and dirt. If compressed air is used, make sure that damage to the device is prevented (e.g. fans must be blocked in this case).
- 3. Lines and plug contacts must be cleaned regularly and dust and dirt must be removed.
- 4. In general, no cleaning agents or abrasive agents may be used, otherwise the surface finish may be damaged. Especially solvents, such as alcohol, can impair the function of housing seals.
- 5. Devices must generally be stored dry and protected from dust and dirt.

## MAINTENANCE AND REPAIR (BY OUALIFIED PERSONNEL ONLY)



**DANGER!** There are live components in the unit. Even after disconnecting the mains connection, there may still be residual voltage in the device, for example, due to charged capacitors.



**PLEASE NOTE!** There are no user-serviceable assemblies in the device.



**NOTE!** Maintenance and repair work may only be carried out by specialist personnel authorised by the manufacturer. If in doubt, consult the manufacturer.



PLEASE NOTE! Improperly performed maintenance work may affect warranty claims.

## **OPTIONAL ACCESSORIES**

Padded protective cover for **MON 8 A G3** LDMON8G3PC

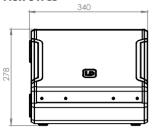
Padded protective cover for **MON 10 A G3** LDMON10G3PC

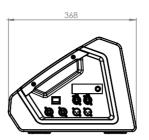
Padded protective cover for **MON 12 A G3** LDMON12G3PC

Padded protective cover for **MON 15 A G3** LDMON15G3PC

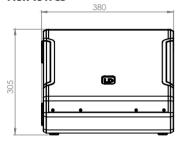
## **DIMENSIONS**

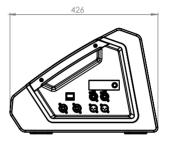
## **MON 8 A G3**



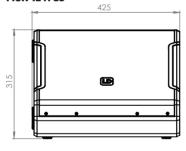


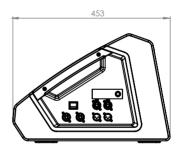
## **MON 10 A G3**



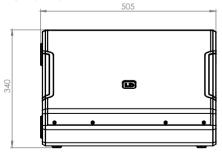


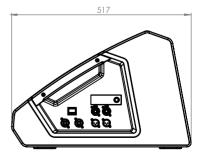
## **MON 12 A G3**





## **MON 15 A G3**





## **TECHNICAL DATA**

TECHNICAL DATA				
Item number	LDMON8AG3	LDMON10AG3	LDMON12AG3	LDMON15AG3
Product type	Stage monitor	Stage monitor	Stage monitor	Stage monitor
Туре	Powered	Powered	Powered	Powered
Color	Black	Black	Black	Black
System output (RMS)	300 W	300 W	300 W	300 W
System output (Peak)	1200 W	1200 W	1200 W	1200 W
Max. SPL Avarage (Sine burst)	116 dB (100 Hz – 12 kHz, fullspace @1m, 10% THD)	118 dB (100 Hz – 12 kHz, fullspace @1m, 10% THD)	120 dB (100 Hz – 12 kHz, fullspace @1m, 10% THD)	122 dB (100 Hz – 12 kHz, fullspace @1m, 10% THD)
Max. SPL Peak (Sine burst)	121 dB (fullspace @1m, 10% THD)	126 dB (fullspace @1m, 10% THD)	127 dB (fullspace @1m, 10% THD)	129 dB (fullspace @1m, 10% THD)
Frequency response [-3dB]	68 Hz – 18 kHz	72 Hz – 18 kHz	68 Hz – 18 kHz	58 Hz – 18 kHz
Frequency response [-10dB]	59 Hz – 20 kHz	58 Hz – 20 kHz	55 Hz – 20 kHz	48 Hz – 20 kHz
Crossover frequency	2500 Hz	1700 Hz	1400 Hz	1300 Hz
Monitor angle	33°	33°	33°	33°
Dispersion (H x V)	50° x 90°	50° x 90°	50° x 90°	50° x 90°
Width	340 mm	380 mm	425 mm	505 mm
Depth	368 mm	426 mm	453 mm	517 mm
Height	278 mm	305 mm	315 mm	340 mm
Features	3-band EQ (High, Mid, Low), Delay line, Notch filter			
Weight	13.2 kg	15.21 kg	17.4 kg	23.15 kg
Low/mid woofer				
Low/mid Woofer dimensions	8"	10"	12"	15"
Woofer dimensions (mm)	203.2 mm	254 mm	304.8 mm	381 mm
Woofer magnet	Ferrite	Ferrite	Ferrite	Ferrite
Woofer brand	Custom-made	Custom-made	Custom-made	Custom-made
Woofer type	Coaxial loudspeaker	Coaxial loudspeaker	Coaxial loudspeaker	Coaxial loudspeaker
Woofer voice coil	2.5"	2,5"	2,5"	3"
Woofer voice coil (mm)	65 mm	65 mm	65 mm	75 mm
Cabinet construction	Bass Reflex	Bass Reflex	Bass Reflex	Bass Reflex
Cabinet material	15 mm Birch Plywood / 15 mm MDF			

Item number	LDMON8AG3	LDMON10AG3	LDMON12AG3	LDMON15AG3			
HF							
Horn	CD Horn	CD Horn	CD Horn	CD Horn			
Tweeter dimensions	1"	1"	1"	1"			
Tweeter dimensions (mm)	25.4 mm	25.4 mm	25.4 mm	25.4 mm			
Tweeter magnet	Ferrite	Ferrite	Ferrite	Ferrite			
Tweeter brand	Custom-made	Custom-made	Custom-made	Custom-made			
Tweeter voice coil	1.75"	1.75"	1.75"	1.75"			
Tweeter voice coil (mm)	44.45 mm	44.45 mm	44.45 mm	44.45 mm			
Amplifier module (integrated)							
Amplifier	Class D	Class D	Class D	Class D			
Protection circuits	Multiband limiter, over voltage, over-current, thermal overload						
Operating Temperature	0 - 40 °C						
Humidity Range	< 80 % (non-condensing)	< 80 % (non-condensing)	< 80 % (non-condensing)	< 80 % (non-condensing)			
Fuse	T4AL 250 V	T4AL 250 V	T4AL 250 V	T4AL 250 V			
Controls	On/off switch, Rotary/push encoder	On/off switch, Rotary/push encoder	On/off switch, Rotary/push encoder	On/off switch, Rotary/push encoder			
Indicators	LC display	LC display	LC display	LC display			
Operating voltage	SMPS, 100 V AC - 240 V AC, 50 - 60 Hz	SMPS, 100 V AC - 240 V AC, 50 - 60 Hz	SMPS, 100 V AC - 240 V AC, 50 - 60 Hz	SMPS, 100 V AC - 240 V AC, 50 - 60 Hz			
Power consumption	150 W	150 W	150 W	150 W			
Power in / out	PowerCON compatible	PowerCON compatible	PowerCON compatible	PowerCON compatible			
Line inputs	2	2	2	2			
Line input connectors	6.3 mm jack, XLR-combo	6.3 mm jack, XLR-combo	6.3 mm jack, XLR-combo	6.3 mm jack, XLR-combo			
Line thru	2	2	2	2			

XLR

XLR

XLR

Line through connector XLR

#### DISPOSAL



### Packaging:

- 1. Packaging can be fed into the reusable material cycle using the usual disposal methods.
- Please separate the packaging in accordance with the disposal laws and recycling regulations in your country.



#### Device:

- This device is subject to the European Directive on Waste Electrical and Electronic Equipment, as amended. WEEE Directive Waste Electrical and Electronic Equipment. Old devices and batteries do not belong in household waste. The old device or batteries must be disposed of via an authorised waste disposal company or a municipal waste disposal facility. Please observe the applicable regulations in your country!
- 2. Observe all disposal laws applicable in your country.
- 3. As a private customer, you can obtain information on environmentally-friendly disposal options from the seller of the product or the appropriate regional authorities.

#### **MANUFACTURER'S DECLARATIONS**

#### **MANUFACTURER'S WARRANTY & LIMITATION OF LIABILITY**

Adam Hall GmbH, Adam-Hall-Str. 1, D-61267 Neu Anspach / E-Mail Info@adamhall.com / +49 (0)6081 / 9419-0. Our current warranty conditions and limitation of liability can be found at: <a href="https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS\_LD\_SYSTEMS.pdf">https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS\_LD\_SYSTEMS.pdf</a>. In case of service, please contact your sales partner.

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

www.adamhall.com/compliance/

#### **CE CONFORMITY**

Adam Hall GmbH hereby confirm 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)

EMC Directive (2014/30/EU)

RoHS (2011/65/EU)

The full declaration of conformity can be found at: www.adamhall.com.

You can also request it via info@adamhall.com.

#### **EU DECLARATION OF CONFORMITY**

Declarations of conformity for products covered by the LVD, EMC and RoHS directives can be requested at **info@adamhall.com**.

Declarations of conformity for products subject to the RED Directive,

can be found at www.adamhall.com/compliance/.

#### **FCC STATEMENT**

- 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. 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.

Subject to misprints and errors, as well as technical or other modifications!





