

USER'S MANUAL  
BEDIENUNGSANLEITUNG  
MANUEL D'UTILISATION  
MANUAL DE USUARIO  
INSTRUKCJA OBSŁUGI  
MANUALE D'USO  
操作说明书  
操作說明書

LDsystems 



## ICOA<sup>®</sup> SERIES

12" / 15" POWERED COAXIAL PA LOUDSPEAKER (BLUETOOTH)

LDICOA12A(BT), LDICOA12A(BT)W / LDICOA15A(BT), LDICOA15A(BT)W

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

## ENGLISH

SAFETY INFORMATION	3
PROPERTIES	4
CONNECTIONS, CONTROL, AND DISPLAY ELEMENTS	5
OPERATION	6
STAND ADAPTER	9
USE AS A FLOOR MONITOR	10
ROTATE TWEETER BY 90°	10
OPTIONAL ACCESSORIES	11
TECHNICAL SPECIFICATIONS	11
MANUFACTURER'S DECLARATIONS	12

## DEUTSCH

SICHERHEITSHINWEISE	14
EIGENSCHAFTEN	15
ANSCHLÜSSE, BEDIEN- UND ANZEIGEELEMENTE	16
BEDIENUNG	17
STATIVFLANSCH	20
VERWENDUNG ALS BODENMONITOR	21
HOCHTONHORN UM 90° DREHEN	21
OPTIONALES ZUBEHÖR	22
TECHNISCHE DATEN	22
HERSTELLERERKLÄRUNGEN	23

## FRANCAIS

CONSIGNES DE SÉCURITÉ	25
CARACTÉRISTIQUES	26
RACCORDEMENTS, ÉLÉMENTS DE COMMANDE ET D'AFFICHAGE	27
UTILISATION	28
BRIDE SUPPORT	31
UTILISATION COMME RETOUR DE SCÈNE AU SOL	32
TOURNER LE PAVILLON D'AIGUS À 90°	32
ACCESSOIRE DISPONIBLE EN OPTION	33
CARACTÉRISTIQUES TECHNIQUES	33
DÉCLARATIONS DU FABRICANT	34

## ESPAÑOL

INSTRUCCIONES DE SEGURIDAD	36
CARACTERÍSTICAS	37
CONEXIONES, ELEMENTOS DE MANEJO Y ELEMENTOS DE VISUALIZACIÓN	38
FUNCIONAMIENTO	39
BRIDA DE SOPORTE	42
USO COMO MONITOR DE SUELO	43
DIFUSOR DE ALTA FRECUENCIA CON GIRO DE 90°	43
ACCESORIOS OPCIONALES	44
DATOS TÉCNICOS	44
DECLARACIONES DEL FABRICANTE	45

## POLSKI

ZASADY BEZPIECZEŃSTWA	47
CHARAKTERYSTYKA	48
PRZYŁĄCZA, ELEMENTY OBSŁUGI I WSKAZNIKI	49
OBSŁUGA	50
KOŁNIERZ STATYWU	53
WYKORZYSTANIE W FUNKCJI MONITORA PODŁOGOWEGO	54
GŁOŚNIK WYSOKOTONOWY OBRACANY O 90°	54
AKCESORIA OPCJONALNE	55
DANE TECHNICZNE	55
OŚWIADCZENIA PRODUCENTA	56

## ITALIANO

INDICAZIONI SULLA SICUREZZA	58
CARATTERISTICHE	59
CONNESSIONI, ELEMENTI DI COMANDO E DI VISUALIZZAZIONE	60
UTILIZZO	61
FLANGIA TREPPIEDE	64
UTILIZZO COME MONITOR DA PAVIMENTO	65
RUOTARE IL TWEETER A TROMBA DI 90°	65
ACCESSORI OPZIONALI	66
DATI TECNICI	66
DICHIARAZIONI DEL PRODUTTORE	67

## 简体中文

安全提示	69
特征	70
接口、操作和显示元件	71
操作	72
三脚架法兰	75
用作地板监视器	76
将高音喇叭转动 90°	76
可选配件	77
技术参数	77
制造商声明	78

## 繁體中文

安全注意事項	79
特性	80
連接器、操縱及顯示元件	81
操作	82
三腳架法蘭	85
用作地面監視器	86
將高音喇叭旋轉 90°	86
可選配件	87
技術資料	87
製造商聲明	88

**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)

**SAFETY INFORMATION**

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. Keep a minimum distance of 20 cm around and above the device.
12. 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!
13. 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.
14. Make certain that objects cannot fall into the device.
15. Use this equipment only with the accessories recommended and intended by the manufacturer.
16. Do not open or modify this equipment.
17. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
18. During transport, make certain that the equipment cannot fall down and possibly cause property damage and personal injuries.
19. 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.
20. Clean the equipment using a dry cloth.
21. Comply with all applicable disposal laws in your country. During disposal of packaging, please separate plastic and paper/cardboard.
22. Plastic bags must be kept out of reach of children.
23. Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**FOR EQUIPMENT THAT CONNECTS TO THE POWER MAINS**

24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. Whenever possible, avoid switching the equipment on and off in quick succession because otherwise this can shorten the useful life of the equipment.
30. IMPORTANT INFORMATION: Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service centre.
31. To disconnect the equipment from the power mains completely, unplug the power cord or power adapter from the power outlet.
32. 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.
33. 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.

34. The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

35. Children must be instructed not to play with the device.

36. If the power cord of the device is damaged, do not use the device. The power cord must be replaced by an adequate cable or assembly from an authorized service center.



**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 device is designed for use below 2000 metres in altitude.



Warning! This product is not intended for use in tropical climates.

**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.

**PROPERTIES**

**LDICOA12A(BT), LDICOA12A(BT)W**

- Genuine all-rounder for full-range, satellite, and monitor applications
- Two-way speaker with 12" woofer
- BT model equipped with Bluetooth® audio streaming
- 126 dB max. SPL and 300 W RMS power handling
- Coaxial design with rotatable, BEM-optimized CD horn for vertical and horizontal use
- Horn-loaded woofer
- DynX DSP with four presets featuring three band equalizer (EQ) and delay function
- Two line/mic input channels with individual gain controllers, 3.5 mm jack input plus mono mix output
- 36 mm dual-tilt stand connection with a tilt angle of 0° and 5°, 55° monitor angle with sturdy stand
- 6x M10 flying points
- Shockproof front grille for the best speaker protection
- Four aluminum handles with ergonomic, rubberized surface
- Comprehensive range of optionally available accessories for installation and transport

## LDICOA15A(BT), LDICOA15A(BT)W

- Genuine all-rounder for full-range, satellite, and monitor applications
- Two-way speaker with 15" woofer
- BT model equipped with Bluetooth® audio streaming
- 128 dB max. SPL and 300 W RMS power handling
- Coaxial design with rotatable, BEM-optimized CD horn for vertical and horizontal use
- Horn-loaded woofer
- DynX DSP with four presets featuring three band equalizer and delay function
- Two line/mic input channels with individual gain controllers, 3.5 mm jack input plus mono mix output
- 36 mm dual-tilt stand connection with a tilt angle of 0° and 5°, 55° monitor angle with sturdy stand
- Shockproof front grille for the best speaker protection
- Four aluminium handles with ergonomic, rubberized surface
- Comprehensive range of optionally available accessories for installation and transport

## CONNECTIONS, CONTROL, AND DISPLAY ELEMENTS



### 1 POWER

On/off switch. The speaker should always be the last device to be switched on in the signal chain, and the first to be switched off.

### 2 POWER SOCKET AND FUSE HOLDER

IEC power socket with integrated fuse holder. A suitable power cable is included in delivery.

**IMPORTANT NOTE:** Only replace the fuse with a fuse of the same type and values. Please note the inscription on the housing. If a fuse trips repeatedly, please contact an authorized service center.

### 3 LC DISPLAY

Multifunctional graphic LC display for displaying the master volume, the DSP preset and the input level for channels 1 and 2 in the main menu. The menu items, submenu items, and corresponding editing options are displayed in the Editing menu.

### 4 VOLUME / PUSH FOR MENU

From the main menu, the master volume can be adjusted by turning the rotary-push encoder. Press the rotary-push encoder to access the Editing menu. Use the rotary-push encoder to navigate the Editing menu, adjust system settings, and change values in the respective menu items.

**5 INPUT 1-2**

XLR/jack combo sockets for balancing audio output of channels 1 and 2. The inputs are suited for both line-level signals as well as for directly connecting the microphone. The inputs are not equipped with phantom power.

**6 GAIN**

Controller for adjusting the input gain of channels 1 and 2. For an optimum signal-to-noise ratio, set the signal as high as possible, but make sure that the Peak display does not light up or briefly appear, to prevent signal distortion and system damage. If necessary, also adjust the player's output level.

**7 AUX IN**

Unbalanced audio input with 3.5 mm stereo jack socket. A connected stereo signal is summed to mono internally. Control the volume for the AUX IN channel using the gain controller for channel 2. If necessary, also adjust the player and master volume with the rotary-push-encoder.

**8 SYSTEM OUT**

Balanced audio output with male 3-pin XLR socket. The connected signal is a mix out of channel 1 and 2 and AUX IN.

**OPERATION****NOTE:**

The LD Systems logo briefly appears on the display as soon as the speaker is correctly connected to the power supply and switched on. All settings (e.g. Preset, EQ, and Delay) resume the way they were as before the speaker was switched off. If Bluetooth was previously enabled (on models with Bluetooth), it will be automatically disabled after a restart. The speaker will be ready for use after completion of this process, which usually takes one second.

**MAIN MENU**

The main display is activated during normal operation. It shows the master volume setting, the activated speaker preset, the input levels of channels 1 and 2, and Bluetooth if it is activated on Bluetooth-enabled models (see figure).

**VOLUME**

From the main menu, the master volume can be directly adjusted by turning the rotary-push encoder VOLUME / PUSH FOR MENU from -60 to +10 dB. When the encoder is rotated, the display automatically changes to the corresponding symbol (see figure below). The main menu will automatically reappear after approx. 8 seconds of inactivity. Pressing the encoder immediately changes the display to the main menu.



**AUDIO SETTINGS (AUDIO)**

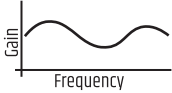

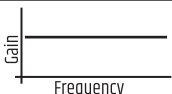
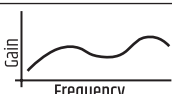
Press the rotary-push encoder to access the main menu and then turn the encoder to select the menu item AUDIO (dark background). Press the encoder again to access the submenu and then turn the encoder to select the desired submenu item. Confirm the selection by pressing the encoder. Turn the encoder to change a value and then confirm the change in value by pressing the encoder. Refer to the table below for the submenu items and the relevant information. In the submenu, select  $\rightarrow$  MAIN MENU and press the encoder to return to the main menu. In the main menu, select  $\rightarrow$  HOME and then press the encoder to confirm this selection and return to the main menu. The main menu will automatically be displayed after approx. 8 seconds of inactivity.

```

 $\rightarrow$  HOME
AUDIO
BLUETOOTH          OFF
SETTINGS
  
```

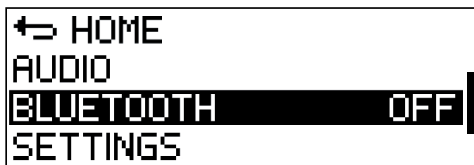
```

 $\rightarrow$  MAIN MENU
PRESET             FULLRANGE
HIGH EQ            +10 dB
MID EQ             -10 dB
LOW EQ             +10 dB
DELAY              5.0 m / 16.4 ft
  
```

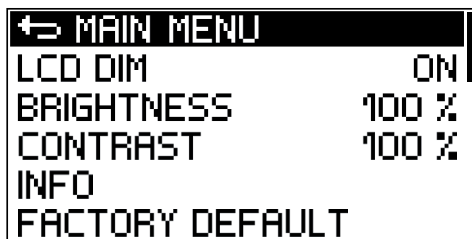
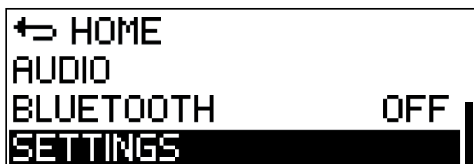
<b>AUDIO</b> (Change value = turn encoder, confirm change in value = press encoder)	
$\rightarrow$ MAIN MENU	Return to main menu
<b>PRESET</b>	Selection of the speaker preset
	FULL RANGE 
	MONITOR 
	FLAT 
	SAT 
<b>HIGH EQ</b>	Setting treble frequencies from -10dB to +10dB
<b>MID EQ</b>	Setting mid frequencies from -10dB to +10dB
<b>LOW EQ</b>	Setting bass frequencies from -10dB to +10dB
<b>DELAY</b>	Time delay of the audio signal in 0.32 ft steps up to 32 ft (0 ft = OFF, display in meters and feet)

**BLUETOOTH® (only LDICOA12ABT(W) and LDICOA15ABT models(W))**

The LDICOA12ABT and LDICOA15ABT models are Bluetooth-enabled to allow for audio files on another Bluetooth device (e.g. smartphone, tablet) to be played back on speakers (maximum distance between both devices is approx. 10 meters; stereo signals are summed to mono internally.). To enable Bluetooth, press the rotary-push encoder to access the main menu and then turn the encoder to select the menu item BLUETOOTH (dark background). Press the encoder again to access the submenu and then turn the encoder to select ON (return to main menu with [↩]). Confirm the selection by pressing the encoder. Select the submenu item ↵ HOME and then press the encoder to confirm the selection. A flashing Bluetooth icon will now appear in the main display. Switch on Bluetooth on your smartphone or tablet and look for available devices on the user interface. Select "LD ICOA® 12" or "LD ICOA® 15" to pair and connect your Bluetooth device with the speaker's Bluetooth unit. The audio playback can start as soon as the process is completed. The Bluetooth symbol now permanently appears on the display. If the Bluetooth connection is lost (e.g. out of range), the Bluetooth icon will start to flash again. The volume setting is carried out on the player, and the master volume is adjusted using the encoder. If a Bluetooth connection to the speaker is not required to emit sound, disable Bluetooth in the Bluetooth submenu (BLUETOOTH OFF).

**SYSTEM SETTINGS (SETTINGS)**

Press the rotary-push encoder to access the main menu and then turn the encoder to select the menu item SETTINGS (dark background). Press the encoder again to access the submenu and then turn the encoder to select the desired submenu item. Confirm the selection by pressing the encoder. Turn the encoder to change a value and then confirm the change in value by pressing the encoder. Refer to the table below for the submenu items and the relevant information. In the submenu, select ↵ MAIN MENU and press the encoder to return to the main menu. In the main menu, select ↵ HOME and then press the encoder to confirm this selection and return to the main menu. The main menu will automatically be displayed after approx. 8 seconds of inactivity.



<b>SETTINGS</b> (Change value or status = turn encoder, confirm or request information = press encoder)			
<b>↵ MAIN MENU</b>	Return to main menu		
<b>LCD DIM</b>	Automatic display dimming	ON	Display is dimmed after approx. 8 seconds of inactivity
		OFF	Automatic display dimming switched off
<b>BRIGHTNESS</b>	Setting the display brightness (0-100%)		
<b>CONTRAST</b>	Setting the display contrast (0-100%)		
<b>INFO</b>	Display of model number and software version		
<b>FACTORY DEFAULT</b>	Reset to factory default (AUDIO, BLUETOOTH + SETTINGS)	CANCEL	Cancel reset
		RESET →	SURE? YES    Execute reset
		CANCEL	Cancel reset





### WHAT DOES LD SYSTEMS DynX® DSP MEAN?

DSP is an acronym that stands for digital signal processing. DynX® includes the Limiter, EQ, Compressor, and Crossover functions. Digital signal processing ensures optimal audio playback with maximum clarity while protecting the PA system from overloading.

### WHAT EXACTLY DOES DynX® DSP DO?

The Limiter function protects the speaker and prevents overload-induced distortion. Separate limiters for the bass, mid, and treble regions limit the signal if the level exceeds a value that could have negative effects. Each limiter is optimized for one of the three seamlessly connected frequency ranges (multi-band limiter). This allows the system to be operated at an overall higher sound pressure since extreme signal peaks are automatically limited so that the master volume does not have to be reduced.

The multi-band EQ handles the entire frequency range and optimizes the system's overall sound.

Depending on the frequency range, the crossovers divide the audio signal into the respective speakers, i.e. the subwoofer, midrange tweeter, and tweeter of the array column. The amplitude and run-time optimization of the crossovers also ensure that all frequencies are evenly emitted and reach listeners at the same time.

## STAND ADAPTER



The speakers are equipped with a stand adapter with a stand connection with an angle of 0° (rear position) and a stand connection with a tilt angle of 5° (front position). Examples of use: Use the stand adapter with an angle of 0° for emitting sound to a public audience and the stand adapter with a tilt angle of 5° for emitting sound to a seated audience.

## USE AS A FLOOR MONITOR



The speakers can also be used entirely as floor monitors thanks to the monitor DSP preset, the rotatable tweeter, and its all-purpose housing. Non-slip rubber washers ensure secure positioning. The monitor angle is positioned at 55°.

## ROTATE TWEETER BY 90°



The tweeter can be rotated 90° when the speaker needs to be used in situations where it is installed horizontally or used as a floor monitor.

## IMPORTANT!



**Warning: Risk of electric shock!** Dangerous voltages present inside device! Opening the device and rotating the high-frequency horn requires specialist knowledge and may only be carried out by specially trained personnel! If you are not suitably qualified, do not attempt the procedure yourself. Refer instead to a qualified professional.

Take care when opening the device and rotating the high-frequency horn, in order to avoid damage to the speaker and injury to persons. Follow each step of the instructions exactly. The manufacturer shall not be liable for any damage to devices or injury to persons resulting from improper handling.

1. Fully disconnect the speaker from the mains (pull out the mains plug) and wait for approx. 3 minutes before starting work!
2. Disconnect all cables from the speaker.
3. Place the speaker in its slanted monitoring position, remove the front grille from the housing (5 x 2.5-mm internal hex screws on left and right of the housing).
4. Loosen the 4 screws that secure the high-frequency horn (see figure A).
5. Carefully lift the horn and rotate it through 90°, taking care not to damage the tweeter driver cable.
6. Feed the tweeter driver cable into the retainer nut next to the securing lug and replace the horn in the retainers. Ensure that the cable is not pinched.
7. Carefully secure the horn with the screws and re-install the front grille on the housing.

## OPTIONAL ACCESSORIES

- LDICOA12UB - Universal bracket for ICOA® 12 (Black)
- LDICOA15UB - Universal bracket for ICOA® 15 (Black)
- LDICOA12UBW - Universal bracket for ICOA® 12 (White)
- LDICOA15UBW - Universal bracket for ICOA® 15 (White)
- LDICOA12PC - Padded protective cover for ICOA® 12
- LDICOA15PC - Padded protective cover for ICOA® 15

## TECHNICAL SPECIFICATIONS

Article number:	LDICOA12A(W)	LDICOA12ABT(W)	LDICOA15A(W)	LDICOA15ABT(W)
Product type:	Coaxial PA speaker			
Type:	Powered			
Housing color:	Black / white (RAL 9003)			
Bluetooth audio receiver:	-	Bluetooth 4.0	-	Bluetooth 4.0
Large woofer:	12"		15"	
Large woofer:	304.8 mm		381 mm	
Woofer magnet:	Ferrite			
Woofer brand:	Custom-made			
Tweeter:	BEM-optimized CD horn			
Large HF driver:	1"			
Large HF driver:	25.4 mm			
HF driver magnet:	Ferrite			
HF driver brand:	Custom-made			
HF driver voice coil:	1.4"			
HF driver voice coil:	35 mm			
Amplifier:	Class D			
Dispersion (H x V):	90° x 50°			
Power (RMS):	300 W			
Power (Peak):	1200 W			
Frequency response:	50 Hz-20 kHz		48 Hz-20 kHz	
Crossover frequency:	2 kHz			

Max. SPL (Peak):	126 dB	128 dB
Protection circuits:	Multi-band limiter, overheating, overvoltage, excess current	
Control elements:	On/Off switch, rotary-push encoder, 2 x gain controller	
Display elements:	LC display	
Mic/line inputs:	2	
Mic/line input connections:	XLR/6.3 mm jack combi sockets (balanced)	
Line inputs:	1	
Line input connections:	3.5 mm stereo socket	
Line outputs:	1	
Line output connections:	XLR	
AD/DA converter sampling frequency:	48 kHz	
AD/DA converter resolution:	24 bit	
Power supply:	SMPS	
Operating voltage:	100–240 V AC 50–60 Hz	
Fuse:	T4AL 250 V	
Power consumption:	150 W	
Ambient temperature (running):	0–40°C	
Relative humidity:	< 80% (non-condensing)	
Housing material:	Polypropylene	
Housing design:	Bassreflex	
Mounting:	36 mm flange (0°, 5°), 6 x M10 flying points	
Monitor angle:	55°	
Dimensions (W x H x D):	375 x 635 x 396 mm	416 x 695 x 415 mm
Weight:	19.9 kg	24.3 kg
Accessories included:	Power cable	
Additional features:	4 handles, 6 x M10 rigging points, rubber feet for using the monitor, robust front grille, DSP with user EQ and Delay function	

## MANUFACTURER'S DECLARATIONS

### MANUFACTURER'S WARRANTY & LIMITATIONS OF LIABILITY

You can find our current warranty conditions and limitations of liability at: [https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS\\_LD\\_SYSTEMS.pdf](https://cdn-shop.adamhall.com/media/pdf/MANUFACTURERS-DECLARATIONS_LD_SYSTEMS.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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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

**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).

#### **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/)

