



# LC-CD

## MIXING AMPLIFIER | PUBLIC ADDRESS SYSTEM



The LC-CD mixing-amplifier family is ideally for use in smaller office environments for clear voice announcements and good quality background music. The 6 inputs can be configured universally for speech or music, whereby the possibility for the triggering of freely determinable chime or speech files in WAVE-format rounds off the unit's functionality. The customer requirements can be configured simply and easily with the integrated user interface.

The modular connection of an additional housing (LC-CD-EXT8) in combination with the digital microphone console enables announcements to be made in up to 8 different zones with simultaneous background music in other areas. The digital amplifier range from 50–250 W with 100 V technology allows for implementation in larger spaces without restriction in respect of placement of loudspeakers and for the combination of any loudspeaker types.

- Digital amplifiers 50–250 W
- 6 universal inputs for microphones or AUX
- Digital signal and voice memory
- Priority contact/VOX controlled
- Easy handling user interface for programming
- Extension unit for public address:
  - 8 zones, music, announcem. simultaneously
  - Digital microphone consoles
  - 5 external contacts with priority functions

## THE UNIVERSAL ALL-SURROUND



### 8 times zone extension with digital microphone console

Using the modular extra unit (LC-CD-EXT8) in combination with the digital microphone console, an 8 zone public address expansion can be created. With maximum 3 digital microphone consoles (APS-308, APS-316 or APS-324) announcements can be broadcasted to individual zones with the simultaneous possibility of background music in the other areas.

8 buttons can be operated on the front side for sound source selection to the various zones.

5 additional contacts for external activation enlarge the various programmable priority functionalities.

### 6 individually controllable inputs for microphone & music

Each input can be freely configured. Input 1 is set fix as a microphone input, input 4, 5 and 6 as an auxiliary input. Flexible are the inputs 2 and 3, for AUX or microphone.

All microphone inputs are symmetric and can be individually activated via button (priority operated) or VOX (voice operated). To operate the condenser microphone, the phantom power can be switched on, if required. The music inputs are asymmetric RCA connector sockets.

### Freely determinable Gong or speech files

A chime or speech file can be played in WAVE format at any time, activated by priority switching contact.

12 files can be freely programmed:  
 0–5 : maximum 30 seconds  
 6–8 : maximum 60 seconds  
 9–11: maximum 120 seconds

### Programming

The system can be freely configured via the graphical user interface and can be set up according to the customer requirements.

## Technical specifications

### LC-CD-XXX

Content power (Sinus)	50 W (LC-CD-50)   100 W (LC-CD-100) 150 W (LC-CD-150)   250 W (LC-CD-250)
Frequency response	50 Hz to 20'000 Hz (-3 dB)
Distorsion factor	THD < 0.15 % 1 kHz full load and P1/10
Signal-to-noise ratio	> 85 dB

Input USB	For programming with User-Interface
Input 1	MIC 1: -63 dB, 200 Ω sym. socket XLR 5 with priority, with phantom power
Input 2 (programmable)	MIC 2: -63 dB, 200 Ω sym. socket XLR 5 with priority, with phantom power, <b>or</b> AUX 1: -10 dB, 47 kΩ, asym., with sockets RCA
Input 3 (programmable)	MIC 3: -63 dB, 200 Ω sym. socket XLR 5 with priority, with phantom power, <b>or</b> AUX 2: -10 dB, 47 kΩ, asym., with sockets RCA
Input 4	AUX 3: -10 dB, 47 kΩ, asym., with sockets RCA
Input 5	AUX 4: -10 dB, 47 kΩ, asym., with sockets RCA
Input 6	AUX 5: -10 dB, 47 kΩ, asym., with sockets RCA

Output 1	Connector block pluggable for 100 V
Output 2	0 dB with sockets RCA

Control output	Data-S for connection with extension unit LC-CD-EXT8 with RJ-12
Protection/Safety	Overload, short circuit, idle, overvoltage, undervoltage, power failure, overheating

Main power in feed	180–250 VAC, 50/60 Hz with PFC > 0.95
Efficiency	> 82 %
Weight	7 kg (LC-CD-250)
Dimensions (W x H x D)	425 x 89 x 320 mm
Rackmounting 19"	With adapter 19", 2 U, Ref. MC-42

### LC-CD-EXT8

Input	Microphone Input for digitale APS-Microphone Console, XLR-6 and connector block
Input contacts	For external activation of 5 functions, connector block
Input 100 V, Call	Connector block, 250 W
Input 100 V, Music	Connector block, 250 W
Control Input	Data-S, Audio, for interfacing to the LC-CD-XXX with RJ-12
Output	Connector block for 8 x 100 V lines
Weight	3.2 kg
Dimensions (W x H x D)	425 x 44 x 320 mm
Rackmounting 19"	With adapter 19", 1 U, Ref. MC-41



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