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# MIXING CONSOLES

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sound culture

**RCF**

ENG **2014**

# RCF L-PAD

The elegant and reliable solution for any audio applications for live or fixed installations.

## L-PAD STORY



Since 1949 RCF has produced components such as drivers and woofers used by some of the world's most prestigious speaker manufacturers. For more than 30 years RCF has produced its own speakers, that have become a standard reference in sound reinforcement applications at all professional levels, from one-man bands to major rock concerts, with audience up to 100,000 people. RCF also has a major presence in thousands of civil and industrial installations such as stadia, railway, airports and theme parks worldwide. This constant presence in the world of speakers has led RCF on to new challenges in their quest for a completion of its offer; from this research the RCF L-PAD line has been born.

## MAIN FEATURES

RCF L-PAD is a line of compact but high performance audio mixers with enhanced flexibility. The elegant and modern Italian design completes the appeal of these indispensable tools in any live audio application — from the performance of a rock band or a jazz quartet, to supporting a conference room or a media centre rather than a museum or library.

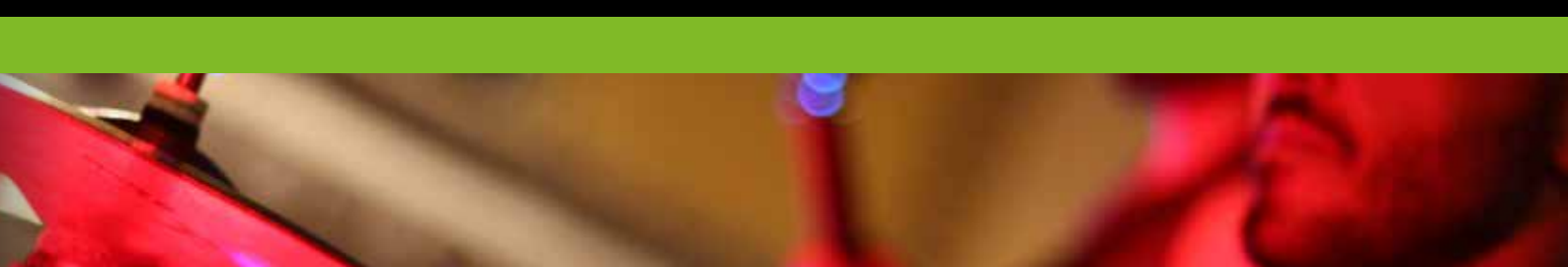
The L-PAD line includes 9 different models of mixer:

- L-PAD6 - 6 CHANNEL MIXING CONSOLE
- L-PAD6X - 6 CHANNEL MIXING CONSOLE WITH EFFECTS
- L-PAD8C - 8 CHANNEL MIXING CONSOLE
- L-PAD8CX - 8 CHANNEL MIXING CONSOLE WITH EFFECTS
- L-PAD10C - 10 CHANNEL MIXING CONSOLE
- L-PAD12C - 12 CHANNEL MIXING CONSOLE
- L-PAD12CX - 12 CHANNEL MIXING CONSOLE WITH EFFECTS
- L-PAD16CX USB - 16 CHANNEL MIXING CONSOLE WITH EFFECTS
- L-PAD24CX USB - 24 CHANNEL MIXING CONSOLE WITH EFFECTS



The models are distinguished by an uncompromising audio quality, by the presence of compressors in seven of the models and internal multi-effects in five of the models, all in a compact layout with an accurate Italian design. Considerable research has been devoted to the design of warm-sounding and transparent mic preamps. The compressors installed on the microphone channels of the RCF L-PAD mixer are highly intuitive, with a single knob that controls the threshold and compression ratio at the same time. The compressors also have a very soft but effective action — the result of an accurate study of the parameters. The three-band EQ (with selectable frequency on L-PAD 16CX USB and L-PAD 24CX USB) on mono channels and the two bands on the stereo channels have a very effective intervention thanks to the right choice of frequency of intervention and allow the user to process the input signal professionally. L-PAD8C - 8CX and 10C can rely on super-tested modular and 45mm faders while on models 12C, 12CX, 16CX USB and 24CX USB 60mm faders are present. A sophisticated DSP takes care of the management of the internal effects; 16 presets are available in the compact L-PAD6X while L-PAD8CX, 12CX, 16CX USB and 24CX USB have a choice of 99 different presets.

# THE PERFECT MATCH WITH RCF ACTIVE SPEAKERS



## TRANSPARENT SOUND

The L-PAD mixer series inherits the RCF concept of "Sound Culture".

Extreme care in the design and realization of circuits provides L-PAD mixers with sonic transparency, combined with an accurate dynamic and extreme versatility of use.

## RELIABILITY

All mixers in the L-PAD series undergo four extensive instrumental quality tests during their construction.

At the end of the production process they are tested once again, this time via a listening test, and are given an aesthetic quality control test to look for the presence of defects such as scratches or dents. All this is to guarantee a high level of reliability and to ensure the customer purchases a high quality standard product.



## DESIGN

The unique design of the L-PAD series mixers comes from the typically Italian flair and creativity of the RCF design offices.

The line project of the L-PAD mixer combines a modern and ergonomically-superior design. The side profile presents an original aesthetic, ensuring at the same time that the mixer can be grabbed in an easy and secure way.

## ACCESSORIES



Useful in any application, the L-PAD audio mixer line has the ability to install an add-on board for the optional recording and playback of MP3 audio files.

Files can be collected in a USB pen size up to 32GB and managed by a convenient, dedicated transport panel.

One further optional Bluetooth card allows connection of devices such as smartphones or tablets to play music directly into the L-PAD mixer.

L-PAD Player Card	p/n 133.60.287
L-PAD Player/Recorder Card	p/n 133.60.288
L-PAD Bluetooth Card	p/n 133.60.289

# L-PAD 24CX USB

## 24 CHANNEL MIXING CONSOLE WITH EFFECTS

The L-PAD 24CX USB is a 24-channel, 4-bus mixer with 18 Mic/Line, 4 Stereo Input, 4 Group out, EQ, and internal effects, for any live performance reinforcement. It features 18 transparent sound, ultra-low noise microphone inputs with balanced XLR connector, or alternatively 16 mono line input with insert send/return, a three-band EQ with a sweepable mid frequency on 14 channels, 4 channels of stereo inputs with 4-band fixed EQs, and a 4-groups assignable sub mixes, 60mm long-live extra smooth faders and four AUX sends per channel (2 Pre/Post switchable pots). The L-PAD 24CX USB gives you the all the features you need to mix any professional live performance.

- 18 MIC/LINE inputs, 4 STEREO inputs
- 14 single-control dynamic compressors (Ch. 1-Ch.14)
- 4 STEREO AUX returns
- 3-band EQ with swappable MID Frequency on microphone channels
- 4-band fixed EQ on stereo line channels
- 4 AUX sends per channel: 2 PRE/POST faders switchable
- 4-GROUP MIX
- 24-bit DSP effects for 100 presets (10 presets, 10 variations)
- USB for computer software recording and monitoring



### COMPRESSORS

The first 14 mic/line input are provided with smooth-action single-control dynamic compressors. Even the most demanding signals are under control.



### INTERNAL EFFECTS

L-PAD12CX offers a powerful internal effects DSP. The 99 preset selector allows you to choose between several warm effects

### HIGH HEADROOM, ULTRA LOW NOISE, TRANSPARENT MIC PREAMPS

All RCF L-PAD Series mixers are designed with high headroom and ultra low-noise, discrete mic preamps to always get the full dynamic range of your mix. device to reproduce your favorite playlist.



### FADERS

Long life extra smooth 60mm faders.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.

## SPECIFICATIONS

### Input channels

Microphone input Electronically Balanced  
 Frequency response 20Hz to 20kHz, +/-1 dB  
 Distortion(THD+N) 0.03% at 0dBu, 1 kHz  
 Gain range 0 dB to -50 dB (MIC)  
 Max. input SNR 114 dB

Line input Electronically Balanced(Unbalanced)  
 Frequency response 20Hz to 20kHz, +/-1dB  
 Distortion(THD+N) 0.03% at 0dBu, 1kHz  
 Gain range 15 dBu to -35 dBu  
 Impedance Microphone Input 1.4 kOhms  
 Channel Insert return 2.5 kOhms  
 All Other Input 10 kOhms or Greater  
 Tape Out 1 kOhms  
 All Other Outputs 120 Ohms

### Equalization

Hi Shelving  $\pm 15$  dB @ 12 kHz  
 Mid bell  $\pm 12$  dB @ 100 Hz - 8 kHz  
 Low shelving  $\pm 15$  dB @ 80 Hz  
 DSP Section A/D and D/A Converters 24-bit  
 DSP Resolution 24-bit  
 Type of effects Echo, Echo+Verb, Tremolo, Plate, Chorus, Vocal, Rotary, Small Room, Flange+Verb, Large Hall  
 Presets 100  
 Controls rotary encoder and two-digit display preset selector  
 Clip LED Mute switch with peak LED Indicator

### Main Mix Section Noise (Bus noise)

Fader 0 dB, Channels muted -94 dBu  
 Fader 0 dB, All Input Channels Assigned and Set To Unity Gain -92 dBu  
 Phantom Power Mic Pin 2 / Pin 3 and Pin 1 +48 V - Switched  
 Power supply Main voltage 100 V - 230 V



### USB AUDIO INTERFACE

Capture your live mix with your laptop and DAW software by simply connecting a USB cable to the L-PAD 24CX USB.

This USB-enabled professional mixing console features a USB port that streams two channels of 24-bit audio out to your computer (Main Mix or Sub Mix 1/2). With the L-PAD 24CX USB you can record band rehearsals, club gigs, speech, worship events, and any other live performance.

Furthermore, this USB connection is bi-directional so you can also reproduce audio from your laptop to the L-PAD 24CX USB for audio and music playback.



# L-PAD 16CX USB

## 16 CHANNEL MIXING CONSOLE

The L-PAD 16CX USB is a 16-channel, 4-bus mixer with 10 Mic/Line, 4 Stereo Input, 4 Group out, EQ, and internal effects, for any live performance reinforcement. It features 10 transparent sound ultra-low noise microphone inputs with balanced XLR connector, or alternatively 8 mono line input with insert send/return, a three-band EQ with a sweepable mid frequency on 8 channels, 4 channels of stereo inputs with 4-band fixed EQs, and a 4-group assignable sub mixes, 60mm long-live extra smooth faders and four AUX sends per channel (2 Pre/Post switchable pots). The L-PAD 16CX USB gives you the all the features you need to mix any professional live performance.

- 10 MIC/LINE inputs - 4 STEREO inputs
- 6 single-control dynamic compressors (Ch. 1-Ch.14)
- 4 STEREO AUX returns
- 3-band EQ with swappable MID Frequency on microphone channels
- 4-band fixed EQ on stereo line channels
- 4 AUX sends per channel: 2 PRE/POST faders switchable
- 4-GROUP MIX
- 24-bit DSP effects for 100 presets (10 presets x 10 variations)
- USB for computer software recording and monitoring



### MIC PREAMP

All RCF L-PAD Series mixers are designed with high headroom and ultra low-noise, discrete mic preamps to always get the full dynamic range of your mix.

### FADERS

Long Life Ultra reliable 60mm faders, all passed a long life use test including several tens of thousands of complete cycles.



### 100 PRESET INTERNAL EFFECTS

Whether you're mixing a Jazz quartet or a heavy metal band, give your mix a professional touch with 100 internal 24-bit DSP effects. Choose from room and echo delays, small and large hall, plate and flange reverbs and more. The L-PAD 16CX USB offers 10 variations of 10 professional effects from which to complete, improve and spatialize your sound.

### COMPRESSORS

Smooth-action, single-control dynamic compressors.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.

### FADERS

Long life extra smooth 60mm faders.



## SPECIFICATIONS

### Input channels

Microphone input	Electronically Balanced
Frequency response	20Hz to 20kHz, +/-1 dB
Distortion(THD+N)	0.03% at 0dBu, 1 kHz
Gain range	0 dB to -50 dB (MIC)
Max. input SNR	114 dB

Line input Electronically Balanced(Unbalanced)

Frequency response	20Hz to 20kHz, +/-1dB
Distortion(THD+N)	0.03% at 0dBu, 1kHz
Gain range	15 dBu to -35 dBu
Impedance Microphone Input	1.4 kOhms
Channel Insert return	2.5 kOhms
All Other Input	10 kOhms or Greater
Tape Out	1 kOhms
All Other Outputs	120 Ohms

### Equalization

Hi Shelving	±15 dB @ 12 kHz
Mid bell	±12 dB @ 100 Hz - 8 kHz
Low shelving	±15 dB @ 80 Hz
DSP Section	A/D and D/A Converters 24-bit
DSP Resolution	24-bit
Type of effects	Echo, Echo+Verb, Tremolo, Plate, Chorus, Vocal, Rotary, Small Room, Flange+Verb, Large Hall
Presets	100
Controls	rotary encoder and two-digit display preset selector
Clip LED	Mute switch with peak LED Indicator

### Main Mix Section Noise (Bus noise)

Fader 0 dB, Channels muted	-94 dBu
Fader 0 dB, All Input Channels Assigned and Set To Unity Gain	-92 dBu
Phantom Power	Mic Pin 2 / Pin 3 and Pin 1 +48 V - Switched
Power supply Main voltage	100 V - 230 V



### USB AUDIO INTERFACE

Capture your live mix with your laptop and DAW software by simply connecting a USB cable to the L-PAD 16CX USB.

This USB-enabled professional mixing console features a USB port that streams two channels of 24-bit audio out to your computer (Main Mix or Sub Mix 1/2).

With the L-PAD 16CX USB you can record band rehearsals, club gigs, speech, worship events, and any other live performance. Furthermore, this USB connection is bi-directional so you can also reproduce audio from your laptop to the L-PAD 16CX USB for audio and music playback.



# L-PAD 12CX

## 12 CHANNEL MIXING CONSOLE WITH EFFECTS

With six transparent sound mic inputs, four stereo line inputs and the 2tk in/ out L-PAD12CX is the ideal tool for small band gigs, complex conference, corporate events and all situations where it is necessary to handle several signals. Four single-control compressors on mic channels help to handle even the more dynamic-complex signals. The 99 preset Internal FX DSP allows the sound to be enhanced by adding accurate and warm effects. When not in use for Internal effects the FX send and the AUX sends allow small stage control, with the appropriate wedge monitors. The super versatile L-PAD slot permits the optional L-PAD MP3 PLAYER, PLAYER/RECORDER or BLUETOOTH CONNECTION cards to be inserted.

- 6 mono INPUT + 4 stereo INPUT
- 4 Compressors (Ch. 1-4)
- 3band/2band EQ
- 1 AUX send
- 1 FX send
- Internal Digital Effects: 99 preset
- Internal PSU 100V-240V, 50-60Hz, 40W

p.n. 171.40.041 (US)  
p.n. 171.40.034 (EU)  
p.n. 171.40.044 (JA)  
p.n. 171.40.045 (AU)  
p.n. 171.40.062 (UK)



### COMPRESSORS

Smooth-action single-control dynamic compressors. Thanks to this feature even the most demanding signals are under control. One knob, great control.



### INTERNAL EFFECTS

L-PAD12CX offers a powerful internal effects DSP. The 99 preset selector allows you to choose between several warm effects

### MICROPHONE PREAMPS

Transparent sound mic preamp with high-range gain scale and 75Hz low cut filter.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.

### FADERS

Long life extra smooth 60mm faders.

### ERGONOMICALLY DESIGNED ARMREST

The L-PAD series mixers unique design comes from the typically Italian creativity of RCF design offices.





## SPECIFICATIONS

### Mono channels

Microphone input XLR balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain range 0dB to -50dB  
 Max. input +15 dB (balanced)  
 SNR <-100dB A-weighted  
 Phantom power +48V with switch control

Line input 1/4' TRS balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dB~-35dB  
 Compressor GAIN: 0 ---> 9dB | THRESHOLD: 20dB ---> 5dB ↓

### Stereo input channels

Mic input XLR balanced  
 LOW CUT 75Hz  
 Line input 1/4' TRS or TRS/RCA un-balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dB~-35dB  
 SNR <-100dB A-weighted

### Channels EQ

	Mono channel	Stereo channel
High	+/-15dB @12kHz	+/-15dB @12kHz
Mid	+/-15dB @2.5kHz	
Low	+/-15dB @80Hz	+/-15dB @80Hz

### 2-TRACK IN

TAPE IN RCA jack  
 Frequency Response 20Hz to 22kHz, +/-1dB  
 Distortion (THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain Range OFF to 15dB

### STEREO RETURN

Input 1/4' TRS un-balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 GAIN range OFF TO +15dB  
 SNR <-100dB A-weighted

### Impedances

Microphone input 1.8kΩ  
 All other input 10kΩ or greater  
 Tape out 1kΩ  
 All other out 120Ω

### DSP section

A/D and D/A converters 24bit  
 Type of effects Echo ,Echo+Verb , Tremolo , Plate , Chorus ,Vocal Rotary , Small Room , Flange + Verb , Large Hall

Controls 100 position preset selector(10 preset x 10 variation)  
 FOOT-SW Mute switch & Foot-switching with LED indicator  
 TIP:FX SLEEVE:GND

### Main mix section

Max. MAIN MIX output +22dBu XLR balanced (+16dBu un-balanced)  
 AUX range OFF to +15dB  
 Fader range OFF to +10dB  
 PHONES/CONTROL-ROOM range OFF to +15dB  
 Hum & Noise <-80dB @ 20Hz~22kHz A-weighted 1 channel & MAIN level:0dB,the other :minimum  
 Crosstalk <-80dB @0dB 20Hz~22kHz A-weighted MAIN level:0dB,the other :minimum

### Power supply

Main voltage 100-240VAC ~ 50/60Hz  
 Fuse T1.6AL AC250V  
 Power consumption 40W max  
 Dimensions 480 mm x 340 mm x 100 mm (L x W x H)  
 Weight 3,850 kg



# L-PAD 12C

## 12 CHANNEL MIXING CONSOLE

With six transparent sound mic inputs, four stereo line inputs and the 2tk in/ out, L-PAD12C is the ideal tool for small band gigs, complex conferences, corporate events and all situations where it is necessary to handle several signals. Four single-control compressors on mic channels help to handle even the more dynamic complex signals. Two Auxiliaries sends allows control of a small stage with the appropriate wedge monitors. The super versatile L-PAD slot permits the optional cards L-PAD MP3 PLAYER, PLAYER/RECORDER or BLUETOOTH CONNECTION cards to be inserted for even more flexible use. Thanks to the accurate Italian design L-PAD12C is easy to grab, transport and handle in all live event situations.

- 6 mono INPUT + 4 stereo INPUT
- 4 Compressors (Ch. 1-4)
- 3band/2band EQ
- 2 AUX send
- Internal PSU 100V-240V, 50-60Hz, 40W

p.n. 171.40.040 (US)  
p.n. 171.40.033 (EU)  
p.n. 171.40.046 (JA)  
p.n. 171.40.047 (AU)  
p.n. 171.40.061 (UK)



### MIC PREAMP

Transparent sound mic preamp with high-range gain scale and 75Hz low cut filter.

**FADERS**  
Long Life Ultra reliable 60mm faders, all passed a long life use test including several tens of thousands of complete cycles.



### COMPRESSORS

Smooth-action, single-control dynamic compressors.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.



### FADERS

Long life extra smooth 60mm faders.

## SPECIFICATIONS

### Mono channels

Microphone input XLR balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain range 0dB to -50dB  
 Max. input +15 dB (balanced)  
 SNR <-100dB A-weighted  
 Phantom power +48V with switch control

Line input 1/4' TRS balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dB~ -35dB  
 Compressor GAIN:0---->9dB  
 THRESHOLD:20dB---->5dB

### Stereo input channels

Mic input XLR balanced  
 LOW CUT 75Hz  
 Line input 1/4' TRS or TRS/RCA un-balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dBu~ -35dBu  
 SNR <-100dB A-weighted

### Channels EQ

	Mono Channel	Stereo channel
High	+/-15dB @12kHz	+/-15dB @12kHz
Mid	+/-15dB @2.5Hz	
Low	+/-15dB @80Hz	+/-15dB @80Hz

### 2-TRACK IN

TAPE IN RCA jack  
 Frequency Response 20Hz to 22kHz, +/-1dB  
 Distortion (THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain Range OFF to 15dB

### STEREO RETURN

Input 1/4' TRS un-balanced  
 Frequency response 20Hz to 22kHz, +/-1dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 GAIN range OFF TO +15dB  
 SNR <-100dB A-weighted

### Impedances

Microphone input 1.8k $\Omega$   
 All other input 10k $\Omega$  or greater  
 Tape out 1k $\Omega$   
 All other out 120 $\Omega$

### Main mix section

Max. MAIN MIX output +22dBu XLR balanced (+16dBu un-balanced)  
 AUX range OFF to +15dB  
 Fader range OFF to +10dB  
 PHONES/CONTROL-ROOM OFF to +15dB  
 Hum & Noise <-80dB @ 20Hz~22kHz A-weighted1 channel & MAIN level:0dB,the other :minimum  
 Crosstalk <-80dB @0dB 20Hz~22kHz A-weightedMAIN level:0dB,the other :minimum

### Power supply

Main voltage 40W max  
 Fuse T1.6AL AC250V  
 Power consumption 100-240VAC ~ 50/60Hz  
 Dimensions L=480mm, W=340mm, H=100mm  
 Weight 3,800 kg



# L-PAD 10C

## 10 CHANNEL MIXING CONSOLE

With four transparent sound mic inputs, four stereo line inputs and the 2tk in/out, L-PAD10C is the ideal tool for duo/trio gigs, speech, background music diffusion, parties and all activities requiring several stereo inputs to be mixed. Two single-control compressors on mic channels help to handle even the more dynamic complex signals. The super versatile L-PAD slot permits the optional L-PAD MP3 PLAYER, PLAYER/RECORDER or BLUETOOTH CONNECTION cards to be inserted for even more flexible use. Thanks to the accurate Italian design L-PAD10C is easy to grab, transport and handle in all live situations. It is possible to install L-PAD10C on a mic stand thanks to the dedicated optional accessory or in a rack using the dedicated optional rack ears.

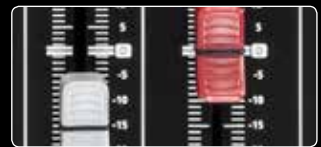
- 4 mono INPUT + 4 stereo INPUT
- 2 Compressors (Ch. 1-2)
- 3band/2band EQ
- 1 AUX send
- External PSU 18V- 1000mA

p.n. 171.40.039 (US)  
p.n. 171.40.032 (EU)  
p.n. 171.40.042 (JA)  
p.n. 171.40.043 (AU)  
p.n. 171.40.060 (UK)



Aesthetic design, enabling the mixer to be grabbed in an easy and safe way. The front panel presents an accurate design and useful arm-rest.

**FADERS**  
Long Life Ultra reliable 45mm faders. All the faders passed a long life use test including several tens of thousands of complete cycles.



### COMPRESSORS

Smooth-action, single-control dynamic compressors.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.



### FADERS

Long life extra smooth 45mm faders.

### DESIGN

The side profile presents an original aesthetic design ensuring as well to always grab the mixer in an easy and secure way.

## SPECIFICATIONS

### Mono channels

Microphone input XLR balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB, 22Hz~22kHz A-weighted  
 Gain range 0dB to -50dB  
 Max. input +15 dB  
 LOW CUT 75Hz  
 SNR <-100dB A-weighted  
 Phantom power +48V with switch control

Line input 1/4' TRS balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB, 22Hz~22kHz A-weighted  
 Sensitivity range +15dB~-35dB  
 COMPRESSOR GAIN:0~9dB  
 THRESHOLD:20dB----> 5dB

### Stereo input channels

Mic input XLR balanced  
 LOW CUT 75Hz  
 Line input 1/4' TRS or TRS/RCA un-balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB, 22Hz~22kHz A-weighted  
 Sensitivity range +15dBu~-35dBu  
 SNR <-100dB A-weighted

### Channels EQ

High +/-15dB @12kHz  
 Mid +/-15dB @2.5kHz  
 Low +/-15dB @80Hz

### Stereo channel

### Mono channel

+/-15dB @12kHz  
 +/-15dB @80Hz

### 2-TRACK IN

TAPE IN RCA jack  
 Frequency Response 10Hz to 55KHz, +/-3dB  
 Distortion (THD+N) <0.03% at +0dB, 22Hz~22kHz A-weighted  
 Gain Range OFF to 0dB

### STEREO RETURN

Input 1/4' TRS un-balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB, 22Hz~22kHz A-weighted  
 GAIN range OFF TO +10dB  
 SNR <-100dB A-weighted

### Impedances

Microphone input 1.8kΩ  
 All other input 10kΩ or greater  
 Tape out 1kΩ  
 All other out 120Ω

### Main mix section

Max. MAIN MIX output +22dBu un-balanced  
 AUX range OFF to +10dB  
 Fader range OFF to +10dB  
 PHONES/CONTROL-ROOM range OFF to +10dB  
 Hum & Noise <-80dB @ 20Hz~22kHz A-weighted 1 channel & MAIN level:0dB, the other :minimum  
 Crosstalk <-80dB @0dB 20Hz~22kHz A-weighted MAIN level:0dB, the other :minimum

### Power supply

AC adaptor 18VAC 1000mA  
 Power consumption 24W(all loaded)  
 Dimensions L=384mm, W=250mm, H=80mm  
 Weight 2,320 g



# L-PAD 8CX

## 8 CHANNEL MIXING CONSOLE WITH EFFECTS

With four transparent sound mic inputs, three stereo line inputs and the 2tk in/ out, L-PAD8CX is the ideal tool for duo/trio gigs, speech, background music diffusion and parties. Two single-control compressors on mic channels help to handle even the more dynamic complex signals. The 99 preset Internal FX DSP allows the sound to be improved by adding accurate and warm effects. The super versatile L-PAD slot permits the optional L-PAD MP3 PLAYER, PLAYER/RECORDER or BLUETOOTH CONNECTION cards to be inserted for even more flexible use. Thanks to the accurate Italian design L-PAD8CX is easy to grab, transport and handle in all situations.

- 4 mono INPUT+ 3 stereo INPUT
- 2 Compressors (Ch. 1-2)
- 3band/2band EQ
- 1 FX send
- Internal Digital Effects: 99 preset
- External PSU 18V- 1000mA

p.n. 171.40.038 (US)  
p.n. 171.40.031 (EU)  
p.n. 171.40.052 (JA)  
p.n. 171.40.053 (AU)  
p.n. 171.40.059 (UK)



### COMPRESSORS

Smooth-action single-control dynamic compressors. Even the most demanding signals are under control thanks to this feature. One knob, great control.

### INTERNAL EFFECTS

This L-PAD mixer offers a powerful internal DSP effects. The 99 preset selector allows you to choose between several warm effects



### COMPRESSORS

Smooth-action, single-control dynamic compressors.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.

### FADERS

Long life extra smooth 45mm faders.

### DESIGN

Aesthetic design, enabling the mixer to be grabbed in an easy and secure way.



## SPECIFICATIONS

### Mono channels

Microphone input XLR balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain range 0dB to -50dB  
 Max. input +15 dB  
 LOW CUT 75Hz  
 SNR <-100dB A-weighted  
 Phantom power +48V with switch control

Line input 1/4' TRS balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dB~-35dB  
 Compressor GAIN:0~9dB  
 THRESHOLD:20dB---> 5dB

### Stereo input channels

Mic input XLR balanced  
 LOW CUT 75Hz  
 Line input 1/4' TRS or TRS/RCA un-balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dBu~-35dBu  
 SNR <-100dB A-weighted

### Channels EQ

#### Mono channel

High +/-15dB @12kHz  
 Mid +/-15dB @2.5Hz  
 Low +/-15dB @80Hz

#### Stereo channel

+/-15dB @12kHz  
 +/-15dB @80Hz

### 2-TRACK IN

TAPE IN RCA jack  
 Frequency Response 10Hz to 55kHz, +/-3dB  
 Distortion (THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain Range OFF to 0dB

### STEREO RETURN

Input 1/4' TRS un-balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 GAIN range OFF TO +10dB  
 SNR <-100dB A-weighted

### DSP section

A/D and D/A converters 24bit  
 Type of effects Echo ,Echo+Verb , Tremolo , Plate , Chorus ,Vocal Rotary , Small Room , Flange + Verb , Large Hall  
 Controls 100 position preset selector(10 preset x 10 variation)  
 FOOT-SW Mute switch & Foot-switching with LED indicator  
 TIP:FX SLEEVE:GND

### Impedances

Microphone input 1.8kΩ  
 All other input 10kΩ or greater  
 Tape out 1kΩ  
 All other out 120Ω

### Main mix section

Max. MAIN MIX output +22dBu un-balanced  
 AUX range OFF to +10dB  
 Fader range OFF to +10dB  
 PHONES/CONTROL-ROOM range OFF to +10dB  
 Hum & Noise <-80dB @ 20Hz~22kHz A-weighted 1 channel & MAIN level:0dB,the other :minimum  
 Crosstalk <-80dB @0dB 20Hz~22kHz A-weighted MAIN level:0dB,the other :minimum

### Power supply

AC adaptor 18VAC 1000mA  
 Power consumption 24W(all loaded)  
 Dimensions L=384mm, W=250mm, H=80mm  
 Weight 2,300 kg



# L-PAD 8C

## 8 CHANNEL MIXING CONSOLE

With four transparent sound mic inputs, three stereo line inputs and the 2tk in/ out, L-PAD8C is the ideal tool for duo/trio gigs, speech, background music diffusion and parties. Two single-control compressors on mic channels help to handle even the more dynamic complex signals. The super versatile L-PAD slot permits the optional cards L-PAD MP3 PLAYER, PLAYER/RECORDER or BLUETOOTH CONNECTION cards to be inserted for even more flexible use. Thanks to the accurate Italian design L-PAD 8C is easy to grab, transport and handle in all situations. It is possible to install L-PAD 8C on a mic stand thanks to the dedicated optional accessory or in a rack using the dedicated optional rack ears.

- 4 mono INPUT + 3 stereo INPUT
- 2 Compressors (Ch. 1-2)
- 3band/2band EQ
- 1 AUX send
- External PSU 18V- 1000mA

p.n. 171.40.037 (US)  
p.n. 171.40.030 (EU)  
p.n. 171.40.054 (JA)  
p.n. 171.40.055 (AU)  
p.n. 171.40.058 (UK)



### EQ.

Three band precise Equalizer: +/- 15 dB intervention at 12kHz, 2.5 kHz and 80Hz on mono channels; dual band Equalizer +/- 15 dB intervention at 12kHz and 80Hz for stereo channels.

### COMPRESSORS

Smooth-action, single-control dynamic compressors.

### PHANTOM POWER

+48V phantom power switch for condenser microphones.

### SLOT

Super versatile L-PAD slot: one of the intelligent L-PAD option cards can be installed here. MP3 PLAYER, MP3 PLAYER/RECORDER or the BLUETOOTH Connection cards. These optional card expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allow you to connect any Bluetooth device to reproduce your favorite playlist.



### FADERS

Long life extra smooth 45mm faders.



## SPECIFICATIONS

### Mono channels

Microphone input	XLR balanced
Frequency response	10Hz to 55kHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22kHz A-weighted
Gain range	0dB to -50dB
Max. input	+15 dB
LOW CUT	75Hz
SNR	<-100dB A-weighted
Phantom power	+48V with switch control

Line input	1/4' TRS balanced
Frequency response	10Hz to 55kHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22kHz A-weighted
Sensitivity range	+15dB~-35dB
Compressor	GAIN:0~9dB THRESHOLD:20dB----> 5dB

### Stereo input channels

Mic input	XLR balanced
LOW CUT	75Hz
Line input	1/4' TRS or TRS/RCA un-balanced
Frequency response	10Hz to 55kHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22kHz A-weighted
Sensitivity range	+15dBu~ -35dBu
SNR	<-100dB A-weighted

### Channels EQ

#### Mono channel

High	+/-15dB @12kHz
Mid	+/-15dB @2.5kHz
Low	+/-15dB @80Hz

#### Stereo channel

	+/-15dB @12KHz
	+/-15dB @80Hz

### 2-TRACK IN

TAPE IN	RCA jack
Frequency Response	10Hz to 55kHz, +/-3dB
Distortion (THD+N)	<0.03% at +0dB ,22Hz~22kHz A-weighted
Gain Range	OFF to 0dB

### STEREO RETURN

Input	1/4' TRS un-balanced
Frequency response	10Hz to 55kHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22kHz A-weighted
GAIN range	OFF TO +10dB
SNR	<-100dB A-weighted

### Impedances

Microphone input	1.8k $\Omega$
All other input	10k $\Omega$ or greater
Tape out	1k $\Omega$
All other out	120 $\Omega$

### Main mix section

Max. MAIN MIX output	+22dBu un-balanced
AUX range	OFF to +10dB
Fader range	OFF to +10dB
PHONES/CONTROL-ROOM range	OFF to +10dB
Hum & Noise	<-80dB @ 20Hz~22kHz A-weighted 1 channel & MAIN level:0dB,the other :minimum
Crosstalk	<-80dB @0dB 20Hz~22kHz A-weighted MAIN level:0dB,the other :minimum

### Power supply

AC adaptor 18VAC	1000mA
Power consumption	24W(all loaded)
Dimensions	L=384mm, W=250mm, H=80mm
Weight	2,300 kg



# L-PAD 6X

## 6 CHANNEL MIXING CONSOLE WITH EFFECTS

With two transparent sound mic inputs, two stereo line inputs and the 2tk in/out, L-PAD 6X is the ideal tool for one man bands, speech, background music diffusion and parties.

The 16-preset Internal FX DSP allows the sound to be improved, adding accurate and warm effects.

Thanks to the accurate Italian design L-PAD 6X is easy to grab and handle in all situations.

It is possible to install L-PAD 6X on a mic stand with the dedicated accessories.

- 2 mono INPUT + 2 stereo INPUT
- 1 FX send
- 3band/2band EQ
- Internal Digital Effects: warm & bright hall, warm & bright room, vocal, plate, stereo delay, rev+delay, rev+chorus
- External PSU 18V- 1000mA

p.n. 171.40.036 (US)  
p.n. 171.40.029 (EU)  
p.n. 171.40.048 (JA)  
p.n. 171.40.049 (AU)  
p.n. 171.40.057 (UK)



### MIC PREAMP

Transparent sound mic preamp with high-range gain scale and 75Hz low cut filter.

**INTERNAL EFFECTS**  
This L-PAD mixer offers a powerful internal DSP effects. The 16 preset selector allows you to choose between several warm effects



### MICROPHONE PREAMPS

Ultra low noise transparent sound mic preamps.

### PHANTOM POWER

+48V phantom power switch for condenser microphones.

### MIC STAND

Thanks to the MIC STAND accessory it is possible to install the L-PAD 6X mixer on a standard microphone stand.

### DESIGN

Aesthetic design, enabling the mixer to be grabbed in an easy and secure way.



## SPECIFICATIONS

### Mono channels

Microphone input XLR balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain range 0dB to -50dB  
 Max. input +15 dB  
 SNR <-100dBr A-weighted  
 Phantom power +48V with switch control

Line input 1/4' TRS with balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +15dB~ -35dB

### Stereo input channels

Line input 1/4' TRS with un-balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Sensitivity range +22dBu  
 SNR <-100dBr A-weighted

### Channels EQ

	Mono channel	Stereo channel
High	+/-15dB @12kHz	+/-15dB @12kHz
Mid	+/-15dB @2.5Hz	
Low	+/-15dB @80Hz	+/-15dB @80Hz

### 2-TRACK IN

TAPE IN RCA jack  
 Frequency Response 10Hz to 55kHz, +/-3dB  
 Distortion (THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 Gain Range OFF to +10dB

### STEREO RETURN

Input 1/4' TRS with un-balanced  
 Frequency response 10Hz to 55kHz, +/-3dB  
 Distortion(THD+N) <0.03% at +0dB ,22Hz~22kHz A-weighted  
 GAIN range OFF TO +10dB  
 SNR <-100dBr A-weighted

### Impedances

Microphone input 3.6k $\Omega$   
 All other input 10k $\Omega$  or greater  
 Tape out 1k $\Omega$   
 All other out 120 $\Omega$

### DSP section

A/D and D/A converters 24bit  
 Type of effects warm hall, bright hall, warm room, bright room, vocal, plate, stereo delay, rev+delay, rev+chorus  
 Controls 16 position preset selector  
 Mute switch & Foot-switching with LED indicator  
 FOOT-SW TIP:FX SLEEVE:GND

### Main mix section

Max. MAIN MIX output +22dBu un-balanced  
 AUX range OFF to +10dB  
 Fader range OFF to +10dB  
 PHONES/CONTROL-ROOM range OFF to +10dB  
 Hum & Noise <-80dB @ 20Hz~22kHz A-weighted 1 channel & MAIN level:0dB,the other :minimum  
 Crosstalk <-80dB @0dB 20Hz~22kHz A-weighted MAIN level:0dB,the other :minimum,

### Power supply

AC adaptor 18VAC 1000mA  
 Power consumption 17W (all loaded)  
 Dimensions L=275mm, W=195mm, H=75mm  
 Weight 1,325 kg



# L-PAD 6

## 6 CHANNEL MIXING CONSOLE

With two transparent sound mic inputs, two stereo line inputs and the 2tk in/out, L-PAD 6 is the ideal tool for one man bands, speech, background music diffusion and parties.

Thanks to the accurate Italian design L-PAD 6 is easy to grab, transport and handle. It is possible to install L-PAD 6 on a mic stand with the dedicated accessories.

- 2 mono INPUT + 2 stereo INPUT
- 1 AUX send
- 3band/2band EQ
- External PSU 18V~ 1000mA

p.n. 171.40.035 (US)  
p.n. 171.40.028 (EU)  
p.n. 171.40.050 (JA)  
p.n. 171.40.051 (AU)  
p.n. 171.40.056 (UK)



### DESIGN

The line project of L-PAD mixers combine a modern and excellent ergonomic design.

**MIC PREAMP**  
Transparent sound mic preamp with high-range gain scale.



### MICROPHONE PREAMPS

Ultra low noise transparent sound mic preamps.

### DESIGN

The side profile presents an original aesthetic design ensuring to grab the mixer in an easy and secure way.

### EQ

Three Band Accurate EQ.

### CHANNEL CONTROL

Super Smooth Volume knob.



## SPECIFICATIONS

### Mono channels

Microphone input	XLR balanced
Frequency response	10Hz to 55KHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22KHz A-weighted
Gain range	0dB to -50dB
Max. input	+15 dB
SNR	<-100dB A-weighted
Phantom power	+48V with switch control

Line input	1/4' TRS with balanced
Frequency response	10Hz to 55KHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22KHz A-weighted
Sensitivity range	+15dB~ -35dB

### Stereo input channels

Line input	1/4' TRS with un-balanced
Frequency response	10Hz to 55KHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22KHz A-weighted
Sensitivity range	+22dBu
SNR	<-100dB A-weighted

### Channels EQ

#### Mono channel

High	+/-15dB @12KHz
Mid	+/-15dB @2.5Hz
Low	+/-15dB @80Hz

#### Stereo channel

	+/-15dB @12KHz
	+/-15dB @80Hz

### 2-TACK IN

TAPE IN	RCA jack
Frequency Response	10Hz to 55KHz, +/-3dB
Distortion (THD+N)	<0.03% at +0dB ,22Hz~22KHz A-weighted
Gain Range	OFF to +10dB

### STEREO RETURN

Input	1/4' TRS with un-balanced
Frequency response	10Hz to 55KHz, +/-3dB
Distortion(THD+N)	<0.03% at +0dB ,22Hz~22KHz A-weighted
GAIN range	OFF TO +10dB
SNR	<-100dB A-weighted

### Impedances

Microphone input	3.6k $\Omega$
All other input	10k $\Omega$ or greater
Tape out	1k $\Omega$
All other out	120 $\Omega$

### Main mix section

Max. MAIN MIX output	+22dBu un-balanced
AUX range	OFF to +10dB
Fader range	OFF to +10dB
PHONES/CONTROL-ROOM range	OFF to +10dB
Hum & Noise	<-80dB @ 20Hz~22KHz A-weighted 1 channel & MAIN level:0dB,the other :minimum
Crosstalk	<-80dB @0dB 20Hz~22KHz A-weighted MAIN level:0dB,the other :minimum

### Power supply

AC adaptor 18VAC	1000mA
Power consumption	17W (all loaded)
Dimensions	L=275mm, W=195mm, H=75mm
Weight	1,300 kg



# ACCESSORIES

## ADD-ON BOARDS

Useful in any application the L-PAD audio mixer line has the ability to install an add-on board for the optional recording and playback of MP3 audio files.

Files can be collected in a USB pen size up to 32GB and managed by a convenient, dedicated transport panel.

One further optional Bluetooth card allows devices such as smartphones or tablets to be connected, and music played directly into the L-PAD mixer.

- L-PAD PLAYER CARD - p/n 133.60.287
- L-PAD PLAYER/RECORDER CARD - p/n 133.60.288
- L-PAD BLUETOOTH™ CARD - p/n 133.60.289
- MIC STAND - p/n 133.60.290
- LP 8/10 RACK EARS MOUNT - p/n 133.60.291
- LP 12 RACK EARS MOUNT - p/n 133.60.292

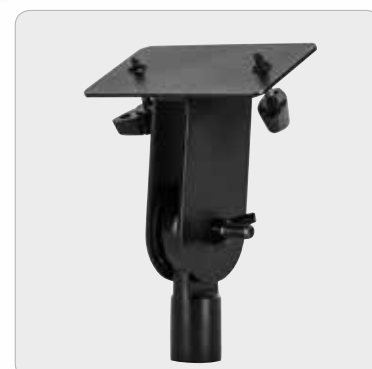


INTELLIGENT  
CARD SLOT

### MIC STAND

p/n 133.60.290

This accessory allows the L-PAD 6, 6x, 8c, 8cx, 10c to be installed on a standard 5/8" mic stand.





#### L-PAD PLAYER CARD

p/n 133.60.287

An MP3 player can be added to your L-PAD mixer by installing this intelligent card in its dedicated slot. Place your preferred MP3 songs on a USB stick, evenly divided in separated folders, plug the USB stick into its dedicated port on the PLAYER CARD and play your music through the L-PAD mixer without any further external device.



#### L-PAD PLAYER/RECORDER CARD

p/n 133.60.288

An MP3 player can be added to your L-PAD mixer by installing this intelligent card in its dedicated slot. Place your preferred MP3 songs on a USB stick, evenly divided in separated folders, plug the USB stick into its dedicated port on the PLAYER CARD and play your music through the L-PAD mixer without any further external device. Record the music program present on MAIN MIX just by pressing the REC button. This is an ideal accessory to record your rehearsal or gigs.



#### L-PAD BLUETOOTH™ CARD

p/n 133.60.289

The BLUETOOTH™ CARD can be connected to any BLUETOOTH™ device, such as smartphones or tablets and your playlist will be reproduced directly through the L-PAD mixer. This card allows a highly practical wireless connection with the mixer — ideal for background music reproduction or any other music application.





sound culture

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