

L-PAD MIXING CONSOLES

sound culture



# L-PAD MIXING CONSOLES

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 mid-frequency on L-PAD 16CX USB and L-PAD 24CX USB) on mono channels and the two bands on the stereo channels (four bands on L-PAD 16CX USB and L-PAD 24CX USB) 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.



### **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 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, 8 single-control compressors and internal effects, for any live performance reinforcement. It features 18 transparent sound, ultralow 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 16 channels, 4 channels of stereo inputs with 4-band fixed EQs, and 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 all the features you need to mix any professional live performance.

- 18 MIC/LINE inputs, 4 STEREO inputs
- 8 single-control dynamic compressors (Ch. 1-Ch.8)
- 4 STEREO AUX returns
- 3-band EQ with sweepable 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 99 presets
- USB port for PC audio recording and playback



#### **COMPRESSORS**

The first 8 mic/line input are provided with L-PAD 24CX USB offers a powerful smooth-action single-control dynamic compressors. Even the most demanding signals are under control.

# **INTERNAL EFFECTS**

internal effects DSP. The 99 preset selector allows you to choose between several warm effects







### **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.

p.n. 171.40.072 (US) p.n. 171.40.071 (EU) p.n. 171.40.068 (JA) p.n. 171.40.069 (AU) p.n. 171.40.070 (UK)

### **SPECIFICATIONS**

#### Mono Input Channels

Microphone Input XLR Electronically Balanced Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% atb 0dBu, 1kHz

Gain Range OdB to -50dB

Phantom Power Mic Pin 2/Pin3 and Pin1 +48V - Switched

Max. input SNR 114dB Input impedance 1,4 kOhm

Line input Electronically Balanced/Unbalanced 1/4" TRS Jack

Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% at 0dBu, 1kHz Gain Range 20dBu to -30dBu Input impedence 10 kOhm or greater

Low Cut 75 Hz

Insert Tip=send, Ring=return, Sleeve=ground

Channel insert return imped. 2,5 kOhm Insert send impedence 1200hm

#### Stereo Input Channels

Microphone Input XLR Electronically Balanced (Ch 17-18 /19-20)

Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% atb 0dBu, 1kHz Gain Range OdB to -50dB

Phantom Power Mic Pin 2/Pin3 and Pin1 +48V - Switched

Max. input SNR 114dB Input impedance 1,4 kOhm

Line input Electronically Balanced/Unbalanced 1/4" TRS Jack

Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% at 0dBu, 1kHz Gain Range 20dBu to -30dBu Input impedence 10 kOhm or greater

# Low Cut 75 Hz

2-Track in RCA jack

Frequency Response 20Hz to 20kHz, +/-1dB

Distortion(THD+N) 0,03% atb 0dBu, 20Hz to 20kHz A-weighted

Gain Range -∞ to +10dB

### Mono Channels EQ. Three Bands with sweepable mid

High Frequences +/-15dB @ 12kHz - Shelving Mid Frequences +/-15dB @ 100Hz-8kHz sweepable Low Frequences +/-15dB @ 80Hz - Shelving

# Stereo Channels EQ. Four Bands

High Frequences +/-15dB @ 12kHz - Shelving Mid High Frequences +/-15dB @ 3kHz Mid Low Frequences +/-15dB @ 500Hz Low Frequences +/-15dB @ 80Hz - Shelving

#### **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+10 variation),

Footswitch for FX return Mute with LED indicator: TIP=FX, SLEEVE=GND

#### Main Mix and Bus Section

Max. Main Mix output Balanced +28dBu +/-2dB - Unbalanced 22dBu +/-2dB

Max. Group output +22dBu Max. Control room output +22dBu Max. Aux output +22dBu

Main Mix and Group Noise -94dBu Channels Muted

-92dBu with fader OdB, channel muted, assigned and set

to unity gain

Power Internal switching Power Supply 100V to 240V

Dimensions 735 mm x 460 x 85 mm - (WxLxH) L-PAD24CXusb

Net Weight 9,670 kg



# 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, 6 single-control compressors and internal effects, for any live performance reinforcement. It features 10 transparent sound ultralow 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 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 sweepable 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 99 presets
- USB port for PC audio recording and playback



#### 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.

#### **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 cards expand your L-PAD mixer usability adding an internal music player, a super-intuitive recorder or allows you to connect any Bluetooth device to reproduce your favorite playlist.



#### **USB AUDIO INTERFACE**

USB

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.

p.n. 171.40.067 (US) p.n. 171.40.066 (EU) p.n. 171.40.063 (JA) p.n. 171.40.064 (AU) p.n. 171.40.065 (UK)

### **SPECIFICATIONS**

#### Mono Input Channels

Microphone Input XLR Electronically Balanced Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% atb 0dBu, 1kHz

Gain Range OdB to -50dB

Phantom Power Mic Pin 2/Pin3 and Pin1 +48V - Switched

Max. input SNR 114dB Input impedance 1,4 kOhm

Line input Electronically Balanced/Unbalanced 1/4" TRS Jack

Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% at 0dBu, 1kHz Gain Range 20dBu to -30dBu Input impedence 10 kOhm or greater

Low Cut 75 Hz

Insert Tip=send, Ring=return, Sleeve=ground

Channel insert return imped. 2,5 kOhm Insert send impedence 1200hm

#### Stereo Input Channels

Microphone Input XLR Electronically Balanced (Ch 9-10 /11-12)

Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% atb 0dBu, 1kHz Gain Range 0dB to -50dB

Phantom Power Mic Pin 2/Pin3 and Pin1 +48V - Switched

Max. input SNR 114dB Input impedance 1,4 kOhm

Line input Electronically Balanced/Unbalanced 1/4" TRS Jack

Frequency Response 20Hz to 20kHz, +/-1dB Distortion(THD+N) 0,03% at 0dBu, 1kHz Gain Range 20dBu to -30dBu Input impedence 10 kOhm or greater

# Low Cut 75 Hz

2-Track in RCA jack

Frequency Response 20Hz to 20kHz, +/-1dB

Distortion(THD+N) 0,03% atb 0dBu, 20Hz to 20kHz A-weighted

Gain Range -∞ to +10dB

### Mono Channels EQ. Three Bands with sweepable mid

High Frequences +/-15dB @ 12kHz - Shelving
Mid Frequences +/-15dB @ 100Hz-8kHz sweepable
Low Frequences +/-15dB @ 80Hz - Shelving

# Stereo Channels EQ. Four Bands

High Frequences +/-15dB @ 12kHz - Shelving
Mid High Frequences +/-15dB @ 3kHz
Mid Low Frequences +/-15dB @ 500Hz
Low Frequences +/-15dB @ 80Hz - Shelving

#### **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+10 variation), Footswitch for FX return Mute with LED indicator: TIP=FX, SLEEVE=GND

#### Main Mix and Bus Section

Max. Main Mix output Balanced +28dBu +/-2dB - Unbalanced 22dBu +/-2dB

Max. Group output +22dBu
Max. Control room output +22dBu
Max. Aux output +22dBu

Main Mix and Group Noise -94dBu Channels Muted

-92dBu with fader 0dB, channel muted, assigned and set

to unity gain

Power Internal switching Power Supply 100V to 240V

Dimensions 515 mm x 460 x 85 mm - (WxLxH)

Net Weight 6,965 kg



# L-PAD 12CX

# 12 CHANNEL MIXING CONSOLE WITH EFFECTS

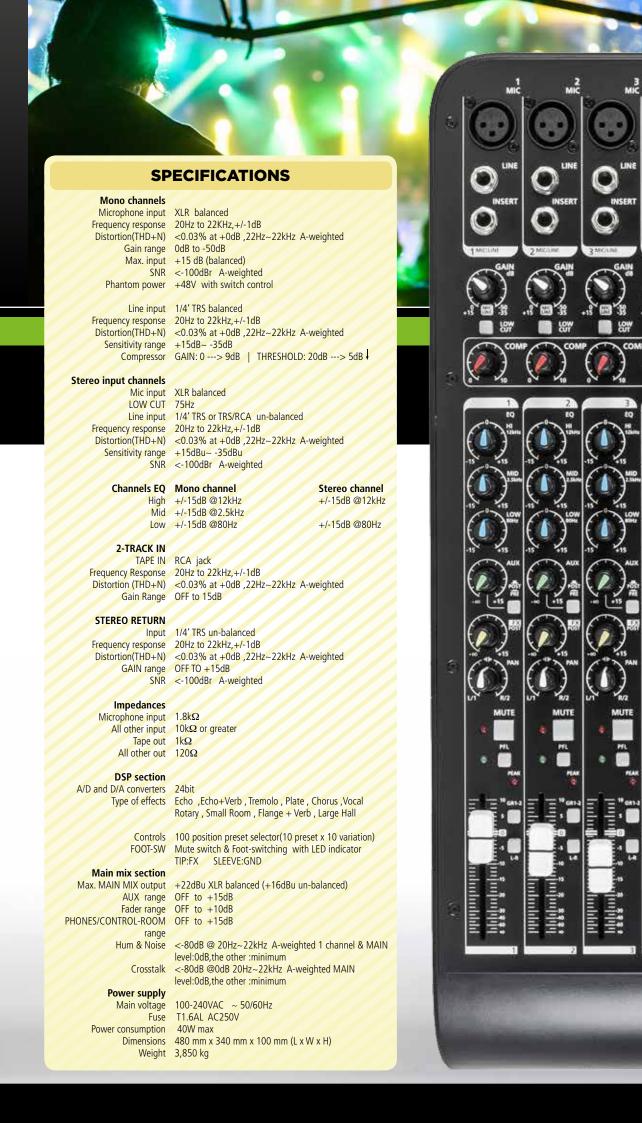
With six transparent sound mic inputs, four stereo line inputs and the 2tk in/ out L-PAD12CX is the ideal tool for small band gigs, complex conference, corporate events and all situations where it is necessary to handle several signals. Four single-control compressors on mic channels help to handle even 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
- 1FX 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)





# **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.







# 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)



#### DECIGN

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.





# 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)



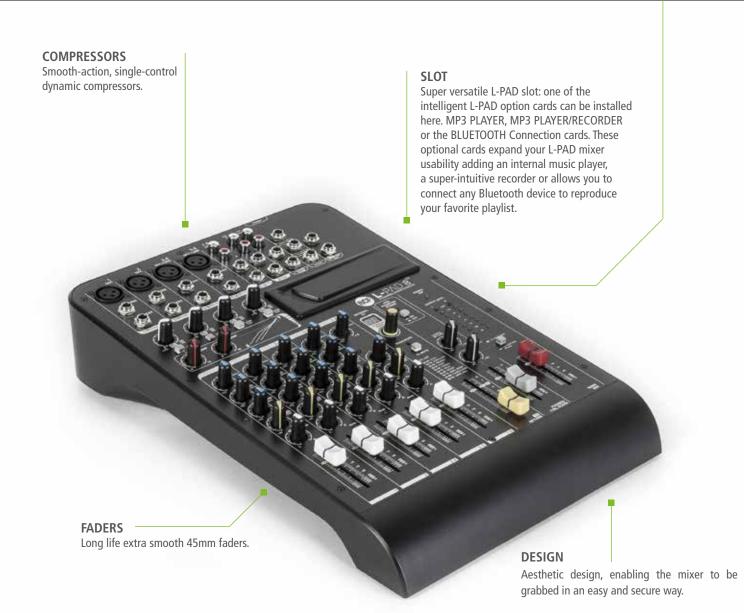
#### **COMPRESSORS**

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





#### **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 <-100dBr A-weighted Phantom power +48V with switch control Line input 1/4' TRS balanced Frequency response 10Hz to 55kHz,+/-3dB <0.03% at +0dB ,22Hz~22kHz A-weighted Distortion(THD+N) Sensitivity range +15dB~ -35dB Compressor GAIN:0~9dB THRESHOLD:20dB---> 5dB Stereo input channels Mic input XLR balanced LOW CUT 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 <-100dBr A-weighted Channels EQ Mono channel Stereo channel +/-15dB @12kHz +/-15dB @12kHz High 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 OdB 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 <-100dBr A-weighted **DSP** section A/D and D/A converters 24bit Rotary , Small Room , Flange + Verb , Large Hall Controls 100 position preset selector(10 preset x 10 variation) Mute switch & Foot-switching with LED indicator FOOT-SW TIP:FX SLEEVE:GND **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 OFF to +10dB range 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.





# 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

p.n. 171.40.029 (EU)

**1 FX send** p.n. 171.40.048 (JA) p.n. 171.40.049 (AU)

**3band/2band EQ** p.n. 171.40.049 (AU) p.n. 171.40.057 (UK)

Internal Digital Effects: warm & bright hall, warm & bright room,
 vocal, plate, stereo delay, rev+delay, rev+chorus

External PSU 18V~ 1000mA



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



p.n. 171.40.036 (US)





# Stereo input channels

Line input 1/4' TRS with un-balanced Frequency response 10Hz to 55kHz,+/-3dB

Sensitivity range +15dB~ -35dB

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

+22dBu un-balanced Max. MAIN MIX output AUX range OFF to +10dB

Fader range OFF to +10dB PHONES/CONTROL-ROOM OFF to +10dB

range

<-80dB @ 20Hz~22kHz A-weighted 1 channel & MAIN Hum & Noise

level:0dB,the other :minimum

<-80dB @0dB 20Hz~22kHz A-weighted MAIN Crosstalk

level:0dB,the other :minimum,

#### **Power supply**

AC adaptor 18VAC 1000mA 17W (all loaded) Power consumption

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.







#### 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 OdB 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

<-100dBr A-weighted

#### Channels EQ Mono channel

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

<0.03% at +0dB ,22Hz~22KHz A-weighted Distortion(THD+N)

GAIN range OFF TO +10dB

SNR <-100dBr A-weighted

# Impedances 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 OFF to +10dB

range

<-80dB @ 20Hz~22KHz A-weighted 1 channel & MAIN Hum & Noise

level:0dB,the other :minimum

<-80dB @0dB 20Hz~22KHz A-weighted MAIN Crosstalk

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 - BAGS - RACK MOUNT

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 tablet computers to be connected, and music played directly into the L-PAD mixer.

Carry in an easy and secure way your L-PAD mixer using the L-PAD padded bags. Use them for mixer and accessories as cables, microphones, tablet computers transportation.

Easily install your L-PAD mixer in a rack or flight case using the rack mount accessories. Very interesting for the small L-PAD mixer versions the possibility of Mic Stand installation using the Mic Stand accessory.

#### 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 and recorder 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.





#### L-PAD BAG 6/6X

p/n 133.60.307

Padded duffle bag for mixers RCF L-PAD 6 and 6X with handle, shoulder belt and accessories for use as a backpack. (When not in use the backpack accessories can be hidden). Two internal sections that can fit power supply or other accessories. Wide front pocket with separated compartment for tablet computers. Personalized RCF zip-pullers.



# 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 BAG 8C/8CX/10C

p/n 133.60.308

Padded duffle bag for mixers RCF L-PAD 8C, 8CX and 10C with handle, shoulder belt and accessories for use as a backpack. (When not in use the backpack accessories can be hidden). Two internal sections that can fit power supply or other accessories. Wide front pocket with separated compartment for tablet computers. Personalized RCF zip-pullers. Personalized RCF zip-pullers.



### LP8/10 RACK MOUNT

p/n 133.60.291

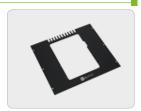
Rack Mount accessories for mixers L-PAD 8C, L-PAD 8CX and L-PAD 10C.



#### LP8/10 RACK MOUNT PRO

p/n 133.60.310

10RU Rack Mount frame accessory, with cables slots, for mixers L-PAD 8C, 8CX and 10C.



#### L-PAD BAG 12C/12CX

p/n 133.60.309

Padded duffle bag for mixers RCF L-PAD 12C and 12CX with handle, shoulder belt and accessories for use as a backpack. (When not in use the backpack accessories can be hidden). Wide front pocket with separated compartment for tablet computers.

Personalized RCF zip-pullers.



# LP12 RACK MOUNT

p/n 133.60.292

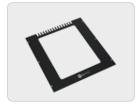
Rack Mount accessories for mixers L-PAD 12C and L-PAD 12CX.



#### LP12 RACK MOUNT PRO

p/n 133.60.311

12RU Rack Mount frame accessory, with cables slots, for mixers L-PAD 12C and 12CX.



#### HEADQUARTERS:

RCF S.p.A. Italy tel. +39 0522 274 411 e-mail: info@rcf.it

RCF UK tel. 0844 745 1234 Int. +44 870 626 3142 e-mail: info@rcfaudio.co.uk

RCF France tel. +33 1 49 01 02 31 e-mail: france@rcf.it

RCF Germany tel. +49 2203 925370 e-mail: germany@rcf.it

RCF Spain tel. +34 91 817 42 66 e-mail: info@rcfaudio.es

RCF Benelux tel. +49 (0) 2203 9253724 e-mail: benelux@rcf.it

RCF USA Inc. tel. +1 732-9026100 e-mail: info@rcf-usa.com

www.rcf.it

