

PROVA ORALE

N. 1

- 1. Cos'è il D.lgs 81/2008 e quali sono le finalità**
- 2. Quali sono i principali documenti da creare per una manifestazione di grandezza media**
- 3. Principali azioni da condurre in caso di evacuazione in emergenza**
- 4. Quali sono gli organi politici di un Comune**
- 5. Prova inglese : il candidato dia lettura della parte proposta evidenziata in giallo del foglio allegato e la traduca**

FRONT PANEL FUNCTIONS

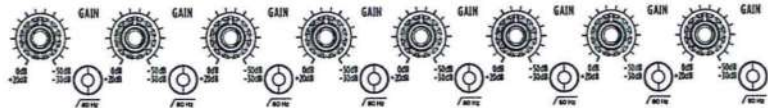
[10] PHANTOM POWER +48 V CH1/6 SWITCH

Dedicated to the Mic input this switch allows the +48 V Phantom Power to the Mic input: 1-8 to be enabled. Enabling of the Phantom power is necessary only in the presence of Condenser and Electret Microphones or in case of D.I. boxes usage.



[11] CHANNEL 1 TO 8 GAIN

MIC input (XLR). These controls permit the gain for MIC input to be set with a range from 0 dB to -50 dB. If the LINE INPUT (TRS jack) are in use the gain range permitted is from +20 dB to -30 dB. All the F 16XR's MIC-LINE inputs are supplied with an 80 Hz Hi-pass filter. Enable the 80 Hz Hi-Pass filter when using microphone for voice to reduce low frequency pop, bump and rumble noises.



[12] CHANNEL 9/10 AND 11/12 GAIN

MIC input (XLR). These controls permit to the gain for MIC input to be set with a range from 0 dB to -50 dB. Corresponding LINE INPUT (TRS jack) have a fixed input level gain.



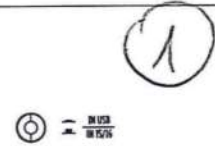
[13] CHANNEL 13/14 AND 15/16 GAIN

STEREO LINE INPUT (TRS jack). The controls allow a gain range control from +20 dB to -30 dB.



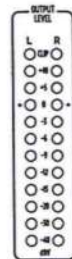
[14] IN USB - IN 15/16 BUTTON

USB IN determines that the stereo audio channels played from an external computer connected to the USB port are routed to the stereo channel 15/16. When the button is in upper position (not pressed) the audio coming from LINE INPUT 15/16 is routed to MAIN MIX; if the USB IN button is pressed the audio coming from an external computer is routed to the stereo channel 15/16; in this instance the USB audio substitutes the analog audio input and takes advantage of all the features provided by the stereo channel such as EQs, AUX send, BAL and fader control.



[15] LEVEL METER

This 12 LED elements level meter allows you to control the Main Mix output level. Keep the output level below the "CLIP" indication to avoid overloaded signals that can cause distortion.



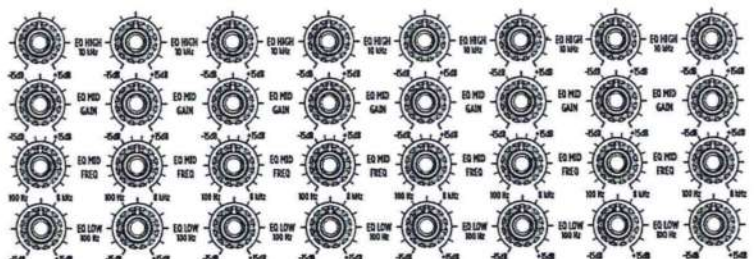
[16] COMPRESSORS

Input channels 1 to 6 are provided with intuitive and powerful single control dynamic compressors. With thresholds and ratio parameters properly designed the F 16XR's compressors allow even the most dynamically demanding signals to be controlled.



[17] EQ (MONO CHANNELS)

All the F 16XR's mono channels and stereo channel 5/6 and 7/8 are provided with a sophisticated and precise 3-band EQ. Low frequency control sets in at 100 Hz with a gain of +/-15 dB and shelving curve. Hi frequency control sets in at 10 kHz with a gain of +/-15 dB and shelving curve. Mid frequency control provide a frequency selection between 100 Hz to 8 kHz with a gain of +/-15 dB and bell curve.



PROVA ORALE

N. 2

- 1. Chi deve garantire le attività di Informazione Formazione ed addestramento nell'ambito del D.lgs 81/2008**
- 2. Principali contenuti di un piano di sicurezza per una manifestazione media all'aperto**
- 3. Il Candidato spieghi la differenza tra Mixer Attivo e Mixer Passivo**
- 4. Quali sono i doveri di un dipendente pubblico**
- 5. Prova inglese : il candidato dia lettura della parte proposta evidenziata in giallo del foglio allegato e la traduca**

SAFETY PRECAUTIONS

Before connecting and using this product, read the instructions provided in this manual carefully and keep it for future reference.

This manual is an integral part of the product and it must accompany it even in the case of changes of ownership, so that the new owner is aware of the method of installation and use and all safety warnings. Incorrect installation and use of the product shall relieve RCF S.p.A. of any and all liability.

CAUTION: to prevent the risk of flames or electric shock, do not ever expose this product to the rain or humidity.

1. All warnings, in particular those relating to safety, must be read with special attention, as they contain important information.
2. **MAIN SUPPLY FROM THE MAINS**
 - The supply voltage of the device is sufficiently high to constitute a risk of electric shock to persons: never install or connect the device with the power supply cable plugged into the mains.
 - Before powering this product, make sure that all connections are correct and that the voltage of your mains supply matches the value on the device data plate; if this is not the case, please contact an RCF dealer.
 - The metal parts of the device are earthed via the power supply cable.
 - A device with CLASS I construction must be connected to the mains socket with a protective earthing connection.
 - Make sure that the power supply cable of the device cannot be stepped on or crushed by objects, to make sure it remains intact and in perfect working order.
 - To avoid the risk of electric shock, never open the device: there are no parts that can be used by the user inside.
3. Do not allow objects or liquids to penetrate the product, as this may cause a short circuit. The device must not be exposed to dripping or splashing water; no naked flame sources (e.g. lighted candles) and no objects filled with liquid (e.g. vases) must be placed on top of the device.
4. Do not perform any work / modifications / repairs except for those expressly described in this manual. Contact an authorised service centre or highly qualified personnel when:
 - the device is not working (or is working abnormally);
 - the power supply cable has been seriously damaged;
 - objects or liquids have penetrated the device;
 - the device has undergone major knocks.
5. If this product is not used for long periods of time, unplug the power supply cable from the mains.
6. If the product releases abnormal odours or smoke, turn off the power immediately and unplug the power supply cable.
7. Do not connect this product to other devices and accessories not envisaged. Do not try to hang this product using elements that are not designed or suitable for this purpose. To avoid the risk of falling, do not stack multiple units of this product, unless this option is expressly specified in the instruction manual.
8. **RCF S.p.A. strongly recommends that the installation of this product be carried out only by professional qualified installers (or specialised installation companies) able to do it properly and to certify installation in accordance with the applicable regulations in force. The entire audio system must comply with the applicable rules and regulations regarding electrical systems.**
9. **Stands and Carts**
Where envisaged, the product should only be used on carts or stands recommended by the manufacturer. The device-stand / device-cart assembly should be moved with the utmost care. Sudden stops, excessive pushing force and uneven or tilted floors could cause the assembly to overturn.
10. **Hearing loss**
Exposure to high sound levels can cause permanent hearing loss. The sound pressure level dangerous to one's hearing varies greatly from one person to another and depends on the duration of exposure. To avoid potentially dangerous exposure to high sound pressure levels, anyone who is exposed to these levels must use adequate protection; when a transducer capable of producing high sound levels is in use, ear plugs or protective headsets must be worn. See the technical instruction data to find out the maximum sound pressure levels that the speakers are capable of producing.
11. Place the product away from heat sources and ensure adequate air circulation all around.
12. Do not overload this product for extended periods of time.
13. Never force the controls (buttons, knobs, etc.).
14. Do not use solvents, alcohol, petrol or other volatile substances to clean the external parts of the unit; use a dry cloth.
15. Do not point microphones near and in front of the speakers, so as to avoid any feedback ("Larsen effect").



WARNINGS



IMPORTANT



NOTE ON CABLES FOR AUDIO SIGNALS

To prevent the occurrence of noise on the cables that carry signals from the microphones or on the line (for example 0 dB), use only screened cables and avoid laying them in the vicinity of:

- equipment that produces strong electromagnetic fields;
- cables from the power mains;
- speaker lines.

PROVA ORALE

N. 3

- 1. Quali sono le principali figure previste dalla normativa della sicurezza per i lavoratori?**
- 2. Cosa serve per l'agibilità di un palco**
- 3. il candidato illustri che differenza c'è tra cavo bilanciato e sbilanciato e problematiche**
- 4. Cos'è ed a cosa serve un'Ordinanza di regolazione del traffico: illustri i principali contenuti**
- 5. Prova inglese : il candidato dia lettura della parte proposta evidenziata in giallo del foglio allegato e la traduca**

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2



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3

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PROVA ORALE

N. 4

- 1. Che cosa sono i DPI e a cosa servono e quando devono essere usati**
- 2. Ruoli e funzioni della Commissione di Vigilanza relativamente all'agibilità di una manifestazione pubblica.**
- 3. il candidato illustri nello specifico di un mixer ad ingresso mono il ruolo di un MIC**
- 4. Differenza di competenze tra Giunta Comunale e Consiglio Comunale**
- 5. Prova inglese : il candidato dia lettura della parte proposta evidenziata in giallo del foglio allegato e la traduca**

GETTING STARTED > INTRODUCTION TO MIXING CONSOLES

The main function of a mixing console is to combine different audio inputs and independently adjust the levels of those contributions to the mix. With this very basic functionality you can control and balance any kind of audio from a one-man-band to an orchestra.

Most mixers however (including the Signature Series) offer far more than that. A variety of features allow the operator to shape the mix, and use routing options to provide the additional conveniences used in audio mixing applications, such as external effects sends, stage monitoring outputs, independent headphone monitoring, and digital inputs and outputs.

Mix Faders

Faders make it easy to see and adjust relative levels. They allow you to visualise the mix.

Input Choice

All different microphones and instruments are catered for with mic, line, and Hi-Z input types / selections, including 48V phantom power for powered (condenser / capacitor) microphones. The gain control allows you to optimise the input level.

4

Equalisation

Examples include the high pass filter on an input to reduce unwanted low frequencies, or the three-band EQ (Equaliser) used for tonal 'shaping' of the source.

Dynamic Processing

This is audio processing that affects amplitude (volume). The Signature console includes a Limiter on selected channels, which will prevent the input signal going too high, which would in turn cause distortion.

Output options

As well as mixing all the input (source) channel into one Master Stereo output, you can send particular channels into additional group outputs, or create several different aux (auxiliary) mixes of all channels to send to an FX (Effects) processor or stage monitor, for example. The headphone output allows the operator to listen to the whole Main Mix, or to a selection of channels via the Solo System.

Solo / Monitor System

The solo system allows you to listen only to particular channels or busses through the headphones output, so you can focus on a particular source without changing the mix.

5

Internal FX

FX (Effects) processing such as reverb, delay, chorus, phasing, and so on can be incorporated into a mixing console so that you don't have to invest in 'outboard' equipment or use up valuable physical inputs and outputs. The Signature's Lexicon FX processing can be applied in a controlled manner by using the Auxiliary 3/FX mix and the dedicated stereo FX return channel.

Digital inputs and outputs.

Digital I/O is necessary to work with digital audio systems and computer-based Digital Audio Workstations. The Signature series uses a USB interface for either 2-channel input/output (main or Aux 1-2 output), or for multitrack input and output (MTK versions) with the USB inputs able to individually replace the input channel source for a flexible 'tape return' path. For example, the MTK functionality could use DAW plug-ins as insert processing on selected input channels, or you could do a sound check with a dry recording of the band from a previous gig... There are lots of ways to use this feature.

More Information

You can find out more about individual Signature features by reading the relevant section of this manual.

PROVA ORALE

N. 5

- 1. Che cos'è il DUVRI e quando è richiesto**
- 2. il candidato illustri cos'è e a cosa serve un equalizzatore**
- 3. il candidato illustri nello specifico di un mixer ad ingresso mono il ruolo di un LINE**
- 4. Il ruolo della Polizia Locale nell'ambito dell'organizzazione di una manifestazione di pubblico spettacolo**
- 5. Prova inglese : il candidato dia lettura della parte proposta evidenziata in giallo del foglio allegato e la traduca**

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