

7. SPECIFICATIONS

Mono inputs

Microphone inputs (IMP "Invisible" Mic Preamp)

Type XLR, electronically balanced, discrete input circuit

Mic E.I.N. (20 Hz - 20 kHz)

@ 0 Ω source resistance -134 dB / 135.7 dB A-weighted

@ 50 Ω source resistance -131 dB / 133.3 dB A-weighted

@ 150 Ω source resistance -129 dB / 130.5 dB A-weighted

Frequency response <10 Hz - 150 kHz (-1 dB),

<10 Hz - 200 kHz (-3 dB)

Gain range +10 to +60 dB

Max. input level +12 dBu @ +10 dB Gain

Impedance approx. 2.6 kΩ balanced

Signal-to-noise ratio 110 dB / 112 dB A-weighted

(0 dBu In @ +22 dB gain)

Distortion (THD+N) 0.005% / 0.004% A-weighted

Line input

Type 1/4" TRS connector electronically balanced

Impedance approx. 20 kΩ balanced
10 kΩ unbalanced

Gain range -10 to +40 dB

Max. input level 30 dBu

Fade-out attenuation¹

(Crosstalk attenuation)

Main fader closed 90 dB

Channel muted 89 dB

Channel fader closed 89 dB

Frequency response

Microphone input to main out

<10 Hz - 90 kHz +0 dB / -1 dB

<10 Hz - 160 kHz +0 dB / -3 dB

Stereo inputs

Type 1/4" TRS connector, electronically balanced

Impedance approx. 20 kΩ

Max. input level +22 dBu

EQ mono channels

Low 80 Hz / ±15 dB

Mid 100 Hz - 8 kHz / ±15 dB

High 12 kHz / ±15 dB

EQ stereo channels

Low 80 Hz / ±15 dB

Low Mid 500 Hz / ±15 dB

High Mid 3 kHz / ±15 dB

High 12 kHz / ±15 dB

Aux sends

Type 1/4" TS connector, unbalanced

Impedance approx. 120 Ω

Max. output level +22 dBu

Stereo aux returns

Type 1/4" TRS connector, electronically balanced

Impedance approx. 20 kΩ bal. / 10 kΩ unbal.

Max. input level +22 dBu

Main outputs

Type XLR, electronically balanced and 1/4" TRS balanced

UB1622FX-PRO only: 1/4" TS connector unbalanced
Impedance approx. 240 Ω symm. / 120 Ω unbalanced

Max. output level +28 dBu

+22 dBu (UB1622FX-PRO)

Control room outputs

Type 1/4" TS connector unbalanced

Impedance approx. 120 Ω

Max. output level +22 dBu

Headphones outputs

Type 1/4" TRS connector, unbalanced

Max. output level +19 dBu / 150 Ω (+25 dBm)

DSP

Converter 24-bit Texas Instruments™

24-bit Sigma-Delta,

64/128-times oversampling

Sampling rate 46,875 kHz

Main mix system data²

Noise

Main mix @ -∞, Channel fader -∞ -101 dB
-100 dB (UB2442FX-PRO)

Main mix @ 0 dB, Channel fader -∞ -93 dB
-96 dB (UB1622FX-PRO)
-87 dB (UB2442FX-PRO)

Main mix @ 0 dB, Channel fader @ 0 dB -81 dB
-83 dB (UB1622FX-PRO)
-80 dB (UB2442FX-PRO)

Power supply

Power consumption 37 W (UB1622FX-PRO)

43 W (UB1832FX-PRO)

46 W (UB2222FX-PRO)

47 W (UB2442FX-PRO)

Fuse 100 - 240 V ~: T 1.6 A H

Mains connection Standard IEC receptacle

Physical

UB1622FX-PRO

Dimensions (H x W x D) approx. 3 7/8" (97 mm) x 11 7/8" (301mm) x 13 7/8" (351mm)

UB1832FX-PRO / UB2222FX-PRO

Dimensions (H x W x D) approx. 3 7/8" (97 mm) x 16 1/16" (408 mm) x 14 1/16" (367 mm)

UB2442FX-PRO

Dimensions (H x W x D) approx. 5 3/8" (136 mm) x 16 1/2" (418 mm) x 17 1/4" (438 mm)

Weight (net)

UB1622FX-PRO approx. 3,3 kg

UB1832FX-PRO approx. 4,7 kg

UB2222FX-PRO approx. 4,8 kg

UB2442FX-PRO approx. 5,9 kg

Measuring conditions:

1: 1 kHz rel. to 0 dBu; 20 Hz - 20 kHz; line input; main output; unity gain.

2: 20 Hz - 20kHz; measured at main output. Channels 1 - 4 unity gain; EQ flat; all channels on main mix; channels 1/3 as far left as possible, channels 2/4 as far right as possible. Reference = +6 dBu.

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