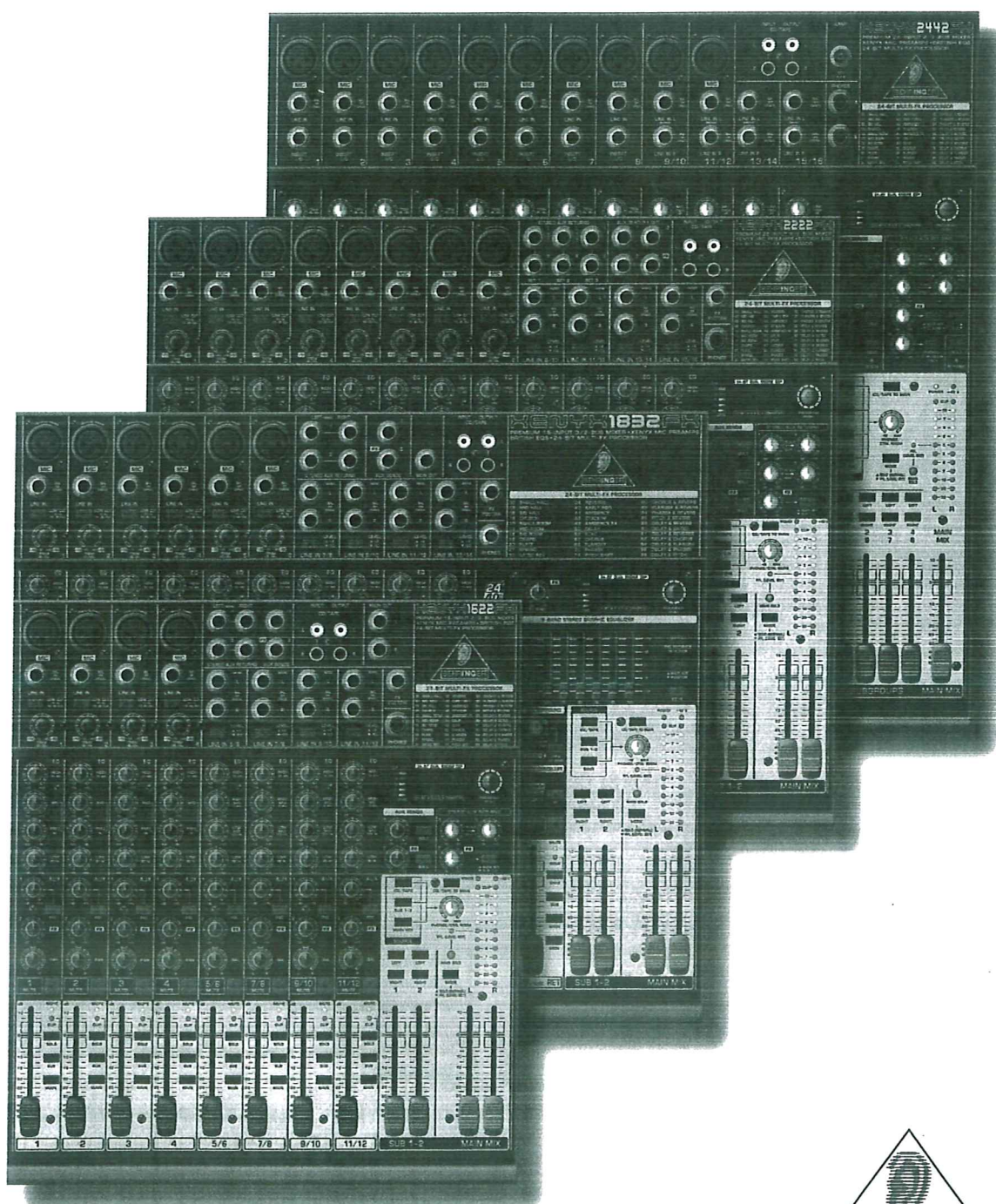


XENYX 1622FX 1832FX 2222FX 2442FX

User's Manual



Version 1.0 January 2006



www.behringer.com



7. SPECIFICATIONS

Microphone inputs (XENYX 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 k Ω 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 k Ω balanced 10 k Ω 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 k Ω |
| 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 k Ω bal. / 10 k Ω unbal. |
| Max. input level | +22 dBu |

Main outputs

| | |
|-------------------|---|
| Type | XLR, electronically balanced and 1/4" TRS balanced |
| 1622FX only: | 1/4" TS connector unbalanced |
| Impedance | approx. 240 Ω symm. / 120 Ω unbalanced |
| Max. output level | +28 dBu +22 dBu (1622FX) |

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 Sigma-Delta, 64/128-times oversampling |
| Sampling rate | 40 kHz |

Main mix system data²

| | |
|----------------------------|--|
| Noise | |
| Main mix @ - ∞ | -101 dB |
| Channel fader @ - ∞ | -100 dB (2442FX) |
| Main mix @ 0 dB, | |
| Channel fader @ - ∞ | -93 dB -96 dB (1622FX) -87 dB (2442FX) |
| Main mix @ 0 dB, | |
| Channel fader @ 0 dB | -81 dB -83 dB (1622FX) -80 dB (2442FX) |

Power supply

| | |
|-------------------|--|
| Mains voltage | 100 to 240 V~, 50/60 Hz |
| Power consumption | 37 W (1622FX) 43 W (1832FX) 46 W (2222FX) 47 W (2442FX) |
| Fuse | 100 - 240 V ~: T 1.6 A H 250 V |
| Mains connection | Standard IEC receptacle |

Physical

| | |
|------------------------|---|
| 1622FX | |
| Dimensions (H x W x D) | approx. 3 7/8" x 11 7/8" x 13 7/8" (97 mm x 301 mm x 351 mm) |
| 1832FX / 2222FX | |
| Dimensions (H x W x D) | approx. 3 7/8" x 16 1/16" x 14 1/16" (97 mm x 408 mm x 367 mm) |
| 2442FX | |
| Dimensions (H x W x D) | approx. 5 3/8" x 16 1/2" x 17 1/4" (136 mm x 418 mm x 438 mm) |

Weight (net)

| | |
|--------|----------------|
| 1622FX | approx. 3.3 kg |
| 1832FX | approx. 4.7 kg |
| 2222FX | approx. 4.8 kg |
| 2442FX | approx. 5.9 kg |

Measuring conditions:

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