

BEHRINGER

UB Series mixing consoles



Uli Behringer

The best of UB41

the revolutionary UB Series mixing consoles



When I started BEHRINGER in 1988, I had one thing in mind: to offer a complete line of top-notch products at prices everyone could afford. I asked myself why an excellent mixer costs as much as some automobiles. To say that I have devoted the past 14 years to



At 16, I built my first synthesizer in 4,865 hours

mending this injustice would be the understatement of the year. Out-of-the-box thinking and a passion for technical perfection culminate in what

detail work that separates the good from the great. In my forty-one years—thirty of which have been spent in the business—I have developed and finely tuned engineering as a sixth sense, honing in on the important factors such as sound quality, reliability and ease of use. I have also listened to user input and suggestions, striving to combine my know-how with that of others. A musician and sound engi-

job. Every crucial development stage of the new UB Series has my name on it—literally: from the design study to the circuitry layout to the mechanical makeup of the consoles. I have personally selected each and every individual component, all with the goal of squeezing the very most out of every single one of them. These consoles have been pushed as far as the technology permits to-date, and be assured that I don't intend to rest on my laurels. Dollar-for-dollar, pound-for-pound, you'd be hard-pressed to



DEAR FRIENDS

you see before you: the UB Series of mixing consoles. From portable to truly capable, and everything in-between: these mixers are the essence of what I have learned so far.

As with all areas of knowledge, the more you learn, the more you realize how little you know, and this is definitely true in the pro audio field. The devil is in the detail, and it is the

near myself, I never lost sight of the fact that the end user must always remain the focal point. It is you, the user, who stands at the center of the BEHRINGER world.

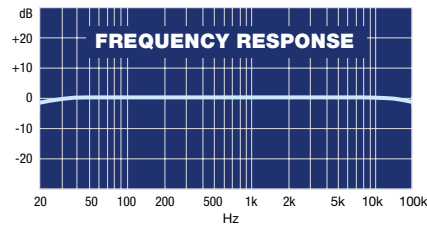
The result of countless sleepless nights, passionate arguments and start-from-scratch trial-and-error sessions is a new mixing console series that embodies all that I love about my

find a better combination encompassing this level of quality, rich and innovative features and affordable pricing. So push my babies as far as your imagination can take you!



Without a great mixer, there is no great sound. In approaching the task of designing the new UB Series of mixing consoles, I went back to the drawing board: where can we make dramatic improvements? What makes really REALLY expensive mixers worth the money to those who can shell it out? Quality in every way. Excellent components, sophisticated circuitry, reliability, richness of features and ease of use kept popping up. I left no stone unturned. And I wasn't scared of unconventional thinking. Just

years of R&D into creating a mic pre-amp that delivers crystal-clear audio and more headroom than you'll ever need. With their extreme bandwidth of 5 Hz to 100 kHz and the amazingly neutral, noise and distortion-free circuitry, you may rest assured that they

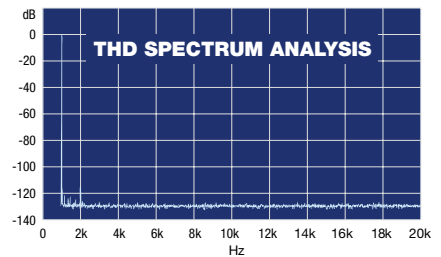
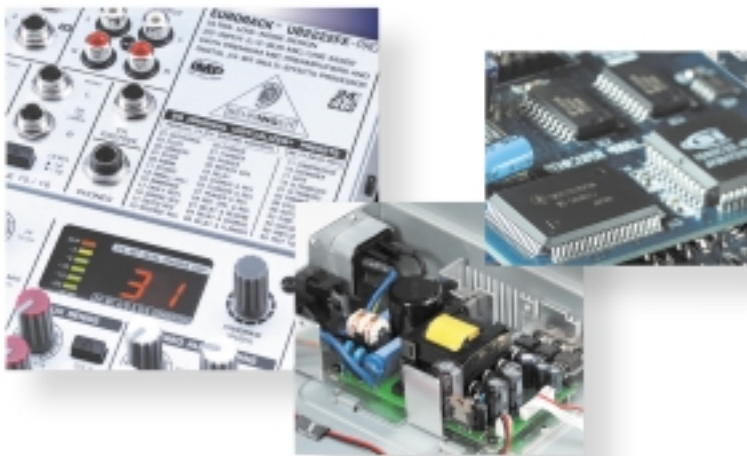


The BEHRINGER IMP provides ultra-linear frequency response up to 100 kHz.

until now the domain of extremely expensive outboard preamps.

The Invisible Mic Preamps are perfectly complemented by our improved ULN (Ultra Low-Noise) low impedance circuitry design coupled with the high-quality 4580 op amps. Our award-winning VIRTUALIZER® technology found in the FX processor puts 99 breathtaking effects at your disposal, ranging from standard reverb and delay to numerous additional dynamic and psychoacoustic processing algorithms and much more.

QUALITY



The result of perfect design. Almost unmeasurable distortion for your signal integrity.

because no one did it before, doesn't mean that it can't be done.

Start with our state-of-the-art, studio-grade "Invisible" Mic Preamps (IMPs). If ears could see, they'd gawk at this. Here, "Invisible" means acoustically invisible: what comes in also comes out—but nothing more. Together with my engineers I've invested five



will pick up and amplify every single bit of your sound without coloring it.

And they are included in every single microphone input of each of the UB Series consoles, even in the tiny UB502. All of this is hugely important because no matter how good your mics are, they are only as good as what they plug into. This kind of performance was

Many of these features hide beneath the consoles' skin, and are not so easily noticed. However, what you will notice immediately and learn to love over time are the durability, ease of use and the no-nonsense design of the entire UB Series. Everything, from the impact-resistant Alps® pots to the first-rate faders, was designed to last and last. No matter where the road takes you, these mixers will keep up with you, allowing you to focus on the stuff that made you buy them in the first place: making music. So, dive in, and have the time of your life!

The UB

Get the works on a minimum of space

You get all the important elements right here in a 19" form-factor. These compact consoles offer you ultra-high performance with outstanding features. The premium-quality, studio-grade

IMP (acoustically "invisible" microphone preamps) with the optional +48 V phantom power supply offer benchmark results unmatched by most of our competition. The ULN (Ultra Low-



EURORACK® **UB2442FX-PRO**

Ultra low-noise design 24-input 4-bus mic/line mixer with premium IMP mic preamplifiers and 24-bit multi-FX processor

- 10 mono channels with IMPs and phantom power, 8 of which feature inserts and direct outs
- 4 high-headroom stereo channels
- 24-bit digital stereo FX processor
- 4 subgroups, 4 aux sends and 4 stereo aux returns
- 3-band EQs with semi-parametric mids plus low cut on all mono channels
- 4-band EQs on all stereo channels
- Rack-mounting kit included

EURORACK® **UB2222FX-PRO**

Ultra low-noise design 22-input 2/2-bus mic/line mixer with premium IMP mic preamplifiers and 24-bit multi-FX processor

- 8 mono channels with IMPs, inserts and phantom power
- 4 high-headroom stereo channels
- 24-bit digital stereo FX processor
- 2 subgroups, 3 aux sends and 3 stereo aux returns
- 3-band EQs with semi-parametric mids plus low cut on all mono channels
- 4-band EQs on all stereo channels
- Rack-mounting kit included



Brand new studio-grade IMPs (Invisible Mic Preamps) with 130 dB dynamic range for 24-bit/192 kHz sampling rate inputs, 60 dB gain range, +30 dBu line input capacity and extremely low distortion: 0.0007% from 20 Hz-20 kHz



S e r i e s m

Noise) design with the state-of-the-art 4580 op amps ensure the highest possible headroom and ultra-transparent audio. Superb audio quality is assured by the 130 dB dynamic range for 24-bit/192 kHz sampling rate inputs, ultra-wide mic gain range of +10 to +60 dB and the lowest possible distortion of

0.0007% (20 Hz – 20 kHz). There are balanced line inputs and the ability to connect external effects devices. All models except for the UB1204-PRO feature a 24-bit digital stereo FX processor based on our renowned VIRTUALIZER® technology. The silky-smooth and long-lasting 60-mm Alps® faders, the



What is XPQ?

The XPQ



3D surround effect widens the stereo image and adds life and transparency to your sound—an easy way to put a unique final polish on your music and turn your live performance into an incomparable experience.

EURORACK® UB1832FX-PRO

Ultra low-noise design 18-input 3/2-bus mic/line mixer with premium IMP mic preamplifiers and 24-bit multi-FX processor

- 6 mono channels with IMPs, inserts and phantom power
- 4 high-headroom stereo channels
- 24-bit digital stereo FX processor plus XPQ stereo surround effect
- 2 subgroups, 3 aux sends and 2 stereo aux returns
- 3-band EQs with semi-parametric mids plus low cut on all mono channels
- 4-band EQs on all stereo channels and 9-band stereo graphic EQ
- Rack-mounting kit included



24-bit digital stereo FX processor with 99 breathtaking VIRTUALIZER® presets and 24-bit/46 kHz internal processing (all FX models)



EURORACK® UB1622FX-PRO

Ultra low-noise design 16-input 2/2-bus mic/line mixer with premium IMP mic preamplifiers and 24-bit multi-FX processor

- 4 mono channels with IMPs, inserts and phantom power
- 4 high-headroom stereo channels
- 24-bit digital stereo FX processor
- 2 subgroups, 2 aux sends and 2 stereo aux returns
- 3-band EQs with semi-parametric mids plus low cut on all mono channels
- 4-band EQs on all stereo channels
- Rack-mounting kit included

i x i n g c o n s

internal autorange SMPS (switch-mode power supply) and the included rack-mounting kit round off the list of premium features.

Because of their extensive and carefully thought-out routing possibilities, these consoles lend themselves equally to both

live and studio use. The prime suspects are high-quality recording studios as well as MIDI-studio applications, small-size PA applications (solo entertainers, duos to quartets, small bands), video edits and similar setups.



EURORACK® UB1204FX-PRO

Ultra low-noise design 12-input 2/2-bus mic/line mixer with premium IMP mic preamplifiers and 24-bit multi-FX processor

- 4 mono channels with IMPs and phantom power
- 2 high-headroom stereo channels
- 24-bit digital stereo FX processor
- 2 subgroups, 2 aux sends and 2 stereo aux returns
- Effective, extremely musical 3-band EQs on all channels (low cut on all mono channels)
- Rack-mounting kit included

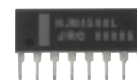
EURORACK® UB1204-PRO

Ultra low-noise design 12-input 2/2-bus mic/line mixer with premium IMP mic preamplifiers

- 4 mono channels with IMPs and phantom power
- 2 high-headroom stereo channels
- 2 subgroups with one fader, 2 aux sends and 2 stereo aux returns
- Effective, extremely musical 3-band EQs on all channels (low cut on all mono channels)
- Rack-mounting kit included



Improved ULN (Ultra Low-Noise) design for maximum headroom, minimal noise and ultra-transparent audio with the high-quality 4580 op amps



o | e | s

The Fab Four

Albeit small in size, the UB502, UB802, UB1002 and UB1202 mixing consoles embody the same superior audio performance and great versatility. They may be very compact, but they share many of the same components with their larger brethren, like the IMP mic preamps, the ULN design and the 4580 op amps.

You can connect external effects devices, and there are connectors for a 2-track master machine (e.g. DAT recorder) and a monitor system consisting of monitor loudspeakers and a power amplifier. The UB1002 and the UB1202 also feature the 60-mm Alps® main mix faders. External power supply is used for noise-free audio and superior transient response. These consoles are ideal for use with small video setups, direct-to-disk recording, permanent mic applications, synthesizers, samplers and keyboards.



EURORACK® UB1202

Ultra low-noise design
12-input 2-bus mic/line
mixer

- 4 mono channels with IMPs and phantom power
- 4 high-headroom stereo channels
- 1 post fader aux send
- Effective, extremely musical 3-band EQs plus low cut on all mono channels

EURORACK® UB1002

Ultra low-noise design
10-input 2-bus mic/line
mixer

- 2 mono channels with IMPs and phantom power
- 4 high-headroom stereo channels
- 1 post fader aux send
- Effective, extremely musical 3-band EQs plus low cut on all mono channels

EURORACK® UB802

Ultra low-noise design
8-input 2-bus mic/line
mixer

- 2 mono channels with IMPs and phantom power
- 2 high-headroom stereo channels
- 1 post fader aux send and 1 stereo aux return
- Effective, extremely musical 3-band EQs on all mono and stereo channels

EURORACK® UB502

Ultra low-noise design
5-input 2-bus mic/line
mixer

- 1 mono channel with IMP
- 2 high-headroom stereo channels
- Effective, extremely musical 2-band EQ on the mono channel
- Additional 2-track I/O



Internal autorange SMPS (switch-mode power supply) automatically adjusts to locally available voltage (100 - 240 V~) and offers quiet, reliable power. You get clean, consistent audio and long life while saving energy (all PRO models).



EURORACK®	UB2442FX-PRO	UB2222FX-PRO	UB1832FX-PRO	UB1622FX-PRO	UB1204FX-PRO	UB1204-PRO	UB1202	UB1002	UB802	UB502
Channels	10 (8 + 2) mono + 4 stereo	8 mono + 4 stereo	6 mono + 4 stereo	4 mono + 4 stereo	4 mono + 2 stereo	4 mono + 2 stereo	4 mono + 4 stereo	2 mono + 4 stereo	2 mono + 2 stereo	1 mono + 2 stereo
Mono mic/line channel inputs	8 (XLR + 1/4" TRS)	8 (XLR + 1/4" TRS)	6 (XLR + 1/4" TRS)	4 (XLR + 1/4" TRS)	4 (XLR + 1/4" TRS)	4 (XLR + 1/4" TRS)	4 (XLR + 1/4" TRS)	2 (XLR + 1/4" TRS)	2 (XLR + 1/4" TRS)	1 (XLR + 1/4" TRS)
Stereo line channel inputs	2 (1/4" TRS) & 2 (XLR + 1/4" TRS)	4 (1/4" TRS)	4 (1/4" TRS)	4 (1/4" TRS)	2 (1/4" TRS)	2 (1/4" TRS)	4 (1/4" TRS)	4 (1/4" TRS)	2 (1/4" TRS)	2 (1/4" TRS)
Channel inserts (pre EQ, pre fader)	channels 1-8	channels 1-8	channels 1-6	channels 1-4	-	-	-	-	-	-
EQ mono channels	3-band mid-sweep + low cut	3-band mid-sweep + low cut	3-band mid-sweep + low cut	3-band mid-sweep + low cut	3-band + low cut	3-band + low cut	3-band + low cut	3-band + low cut	3-band	2-band
EQ stereo channels	4-band	4-band	4-band	4-band	3-band	3-band	-	-	3-band	-
Phantom power (+48 V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Aux sends	2 pre/post fader, 2 post fader	1 pre fader, 1 pre/post fader, 1 post fader	1 pre fader, 1 pre/post fader, 1 post fader	1 pre/post fader, 1 post fader	1 pre/post fader, 1 post fader	1 pre fader, 1 post fader	1 post fader	1 post fader	1 post fader	-
Stereo aux returns	return 1/2 to aux send 1/2/main mix return 3 to sub 1-2/3-4/main mix return 4 to ctrl room & phones/main mix	return 1/2 to aux send 1/main mix return 3 to sub 1-2/main mix	return 1 to main mix return 2 with own fader and flexible routing	return 1 to aux send 1/main mix return 2 to sub 1-2/main mix	return 1 to aux send 1/main mix return 2 to alt 3-4/main mix	return 1 to aux send 1/main mix return 2 to alt 3-4/main mix	-	-	return 1 to main mix	-
Subgroups with dedicated TRS con.	4	2	2	2	2	2	-	-	-	-
Main outputs	XLR & 1/4" TRS connectors	XLR & 1/4" TRS connectors	XLR & 1/4" TRS connectors	XLR & 1/4" TRS connectors	XLR connectors	XLR connectors	1/4" TRS connectors	1/4" TRS connectors	1/4" TRS connectors	1/4" TRS connectors
Headphones output (1/4" TRS connector)	2	✓	✓	✓	✓	✓	✓	✓	✓	✓
2-Track I/O (RCA connectors)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ctrl room outputs (1/4" TRS connector)	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
PFL/solo section	✓	✓	✓	✓	✓	-	-	-	-	-
FX unit (with footswitch connector)	with separate FX output	with separate FX output	✓	✓	✓	-	-	-	-	-
Switch-mode PSU	✓	✓	✓	✓	✓	✓	-	-	-	-
Rack-mounting kit included	✓	✓	✓	✓	✓	✓	-	-	-	-
Width*	16 1/2" (418 mm)	16 1/8" (408 mm)	16 1/8" (408 mm)	11 7/8" (301 mm)	9 11/16" (247 mm)	9 11/16" (247 mm)	9 1/2" (242 mm)	7 3/8" (189 mm)	7 3/8" (189 mm)	5 1/4" (134 mm)
Depth*	17 1/4" (438 mm)	14 1/8" (367 mm)	14 1/8" (367 mm)	13 7/8" (351 mm)	13 3/8" (334 mm)	13 3/8" (334 mm)	8 3/8" (220 mm)	8 3/8" (220 mm)	8 3/8" (220 mm)	7" (177 mm)
Height front*	2 3/4" (68 mm)	3" (75 mm)	3" (75 mm)	3" (76 mm)	3 3/8" (78 mm)	3 3/8" (78 mm)	1 1/2" (37 mm)	1 1/2" (37 mm)	1 1/2" (37 mm)	1 1/2" (37 mm)
Height rear*	5 1/2" (140 mm)	5" (128 mm)	5" (128 mm)	5" (128 mm)	5" (128 mm)	5" (128 mm)	1 3/4" (48 mm)	1 3/4" (48 mm)	1 3/4" (48 mm)	1 3/4" (48 mm)
Weight*	13 lbs (5.9 kg)	10 3/8 lbs (4.8 kg)	10 3/8 lbs (4.7 kg)	7 1/4 lbs (3.3 kg)	5 3/4 lbs (2.6 kg)	5 3/8 lbs (2.56 kg)	3 lbs (1.35 kg)	2 3/8 lbs (1.05 kg)	2 1/8 lbs (1 kg)	1 1/2 lbs (0.55 kg)
Special features	FX unit; mic inputs on stereo ch. 9/10 & 11/12; Direct outs (ch. 1-8, post fader); main inserts; BNC con. for gooseneck lamps	FX unit	FX unit; XPQ 3D surround function; 9-band stereo graphic EQ	FX unit	FX unit	-	-	-	-	-

* Approx.

BEHRINGER SUPPORT

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