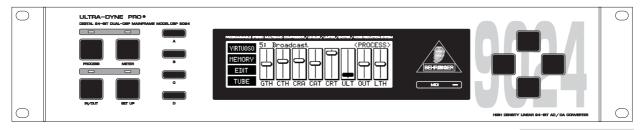
Tech. Specifications

Version 1.1 May 2000



ULTRA-DYNE PRO

Ultra-high performance Digital Stereo Mainframe powered by two 24-bit High-Speed Signal Processor



- ▲ High-end 24-bit AD/DA converters for ultra-high dynamic range and resolution of detail with selectable Sampling Rate of 44.1 or 48 kHz
- ▲ Ultimate 6-way Multiband Dynamics Processor for analog and digital Mastering and Sound Reinforcement systems
- ▲ ULTRAMIZER® automatically adjusts output level and signal density for maximum perceived loudness
- ▲ 6-Band Compressor / Leveler / Peak Limiter for "inaudible" compression. No side-effects, such as "bass pumping" etc.
- ▲ 6-Band Noise Gate with BEHRINGER's IRC (Interactive Ratio Control) for ultra musical performance, can be setup as a program adaptive 6-band noise reduction system that removes any noise without altering your sound
- ▲ BEHRINGER VIRTUOSO® function for super-easy, program dependent and self learning program setup
- ▲ 3-Band Harmonics Exciter with user-definable balance for odd / even harmonics and unique "kick" control
- ▲ Extremely sophisticated Tube emulation with selectable tube types (12AX7, EL34) for ultra-warm sound
- ▲ Built-in 600 msec. Delay enables a "Look Ahead" for intelligent, anticipating processor function
- ▲ Ultra-accurate Level Peak Meter with Peak Hold and selectable Reference Levels (+4 dBu / -10 dBV / Dig Max)
- ▲ Full MIDI parameter and snapshot control allow for real time editing
- ▲ Free ULTRA-DYNE software allows for total remote control via PC (download at <u>www.behringer.com</u>)
- ▲ Extremely versatile presets give you outstanding and instant sound results for numerous standard applications
- ▲ 100 settings can be stored under any alphabetic name. Memory backed up by a long life battery
- ▲ Security Key Password can be installed for programs or unattended use
- ▲ Open-ended and "future-proof" architecture allows for future Software Upgrades
- ▲ Extremely flexible Stereo Link, Band Link & Clone functions
- ▲ 24-bit AES/EBU Interface for Digital inputs and outputs at 32, 44.1 and 48 kHz (optional)
- ▲ Large high-resolution LCD Graphic Display with high-contrast LED backlight
- ▲ Servo-balanced inputs and outputs on gold-plated XLR and jack connectors for high signal integrity
- A Relay-controlled hard-bypass with an auto-bypass function during power failure (fail-safe relay)
- ▲ High-quality components and exceptionally rugged construction ensure long life and durability
- ▲ Internal power supply design for professional applications
- ▲ Manufactured under ISO9000 certified management system

SPECIFICATIONS

ANALOG AUDIO INPUTS

Connections XLR and balanced 1/4" jacks

Type RF-suppressed, servo-balanced input Impedance 50 kOhm balanced, 25 kOhm unbalanced Max. Input Level +21 dBu balanced and unbalanced

CMR typ. 40 dB, >55 dB @ 1 kHz

ANALOG AUDIO OUTPUTS

Connections XLR and balanced 1/4" jacks

Type electronically controlled, servo-balanced output amplifier

Impedance 60 Ohm balanced, 30 Ohm unbalanced Max. Output Level +16 dBu balanced and unbalanced

BYPASS

Type relay controlled hard-bypass

SYSTEM SPECIFICATIONS

Frequency Range 20 Hz to 20 kHz, +/- 0.5 dB

S/N Ratio > 88 dBu, non-weighted, 22 Hz to 22 kHz THD 0.004 % typ. @ +4 dBu, 1 kHz, unity gain

Crosstalk < -103 dB, 22 Hz to 22 kHz

DIGITAL INPUT (optional)

Type AES / EBU transformer-balanced

Impedance 10 kOhm balanced Input Level 3 to 10 V (peak to peak)

DIGITAL OUTPUT (optional)

Type AES / EBU transformer-balanced

Impedance 100 Ohm balanced Output Level 5 V (peak to peak)

MIDI INTERFACE

Type 5-pin DIN socket: In, Out and Thru

DIGITAL PROCESSING

Converters 24-bit sigma-delta

Sampling Rates 48 kHz, 44.1 kHz and 32 kHz (32 kHz only with AES/EBU)

CONTROLS

Process switch to PROCESS mode
Meter switch to METER mode

In/Out inserts the device into the signal path

Setup access to both setup levels

4 Softkeys functions corresponding to the pictogram

4 Cursor Keys modification of parameters and scrolling in menus

DISPLAY

4 Function Switch LEDs indicate the active functions

MIDI LED LED for monitoring the reception of MIDI data

DISPLAY

Type 240 x 64 dot matrix, liquid crystal display (LCD)

Backlight LED array

Contrast adjustable via software

POWER SUPPLY

AC Power USA/Canada 120 V ~, 60 Hz

U.K./Australia 240 V ~, 50 Hz Europe 230 V ~, 50 Hz

General export model 100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz

Power Consumption max. 30 W

Fuse 100 - 120 V ~: T 630 mA H

200 - 240 V ~: T 315 mA H

AC Connection Standard IEC receptacle

DIMENSIONS/WEIGHT

Dimensions (H * W * D) app. 3.5" (89 mm) * 19" (482.6 mm) * 12" (304.8 mm)

Weight app. 4.8 kg Shipping Weight app. 6.0 kg

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may differ from those listed or illustrated.