

Pro M 1012

Monitor Management System



Pro M 1012 is a completely configurable surround multi-channel pre-amp system providing the highest quality analog sound technology. Developed for the rigorous requirements of modern studios, it features a powerful routing matrix and a multi-purpose bass-management system, allowing any combination of configurations with 10 inputs and 12 outputs. The Pro M 1012 is a fully configurable control monitor matrix with incredible audio performance, which can be adapted for many applications.

- Completely configurable analog multi-channel pre-amplifier loudspeaker management system
- Powerful routing matrix and bass-management system
- Any combination of the 10 inputs and 12 outputs to suit any surround system or other loudspeaker configuration
- 8 additional analog or digital inputs when using an optional 8-channel extension module
- Bass management with 24 dB/oct. crossover and independent or linked phase adjustment for each channel
- Accessible Mute / Solo control feature allowing "Solo in Center" and "Solo in Place"
- Programmable downmixing with definable gain coefficients
- Synchronized volume control with user-defined gain offsets
- Optional hardwired and IR-remote control for all functions
- Simple, intuitive operation using illuminated single-function keys
- Settings can be saved in presets with instant recall using dedicated setup keys
- Link function for cascading multiple units
- Digitally controlled pure analog signal path featuring high-performance components and no VCAs
- Simple system setup with the included Configuration Manager software

Setup keys for easy switching between different applications

IR sensor for K + H remote control RC 55

REF- and DIM-levels on dedicated keys

Mute/Solo keys with international standard functions and "Solo-in-Center" function



Plug-in for remote control cable WRC 1012 and RS-232

Flexible modular concept for separate frequency adaptation

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Surround control and bass management

- All setups and configurations are possible between the main loudspeakers, subwoofers, surround and ancillary loudspeakers:
 - ▶ Up to 7.1 with additional near-field systems, switchable between different surround setups (e.g. cinema or music)
- Rerouting of bass signals, e.g. small rear monitor, smaller center speaker, etc., to subwoofers or front L/R loudspeakers
- Individual HP/LP frequencies for subwoofer/satellite use, individually controllable for each channel
- Fully variable bass routing is configurable for each channel:
 - ▶ Bass routing to up to four different subwoofers
 - ▶ Bass redirection to any other channel, e.g. low frequency part from rear to front
- Fully variable LFE routing, e.g. to subwoofer or LFE redirection to satellite
- 4-step phase adjustment from 0° to 180° for accurate alignment of the subwoofer to the main loudspeakers
- Downmixes are freely configurable, e.g. 7.1 to 5.1, 5.1 to LCRS, 7.1 to mono, etc.
- Total configurability of all functions allows wide variety of applications

Mute/Solo control

- Muting of individual channels as well as "All Mute"
- Solo- and Solo-in-Center function

Volume control

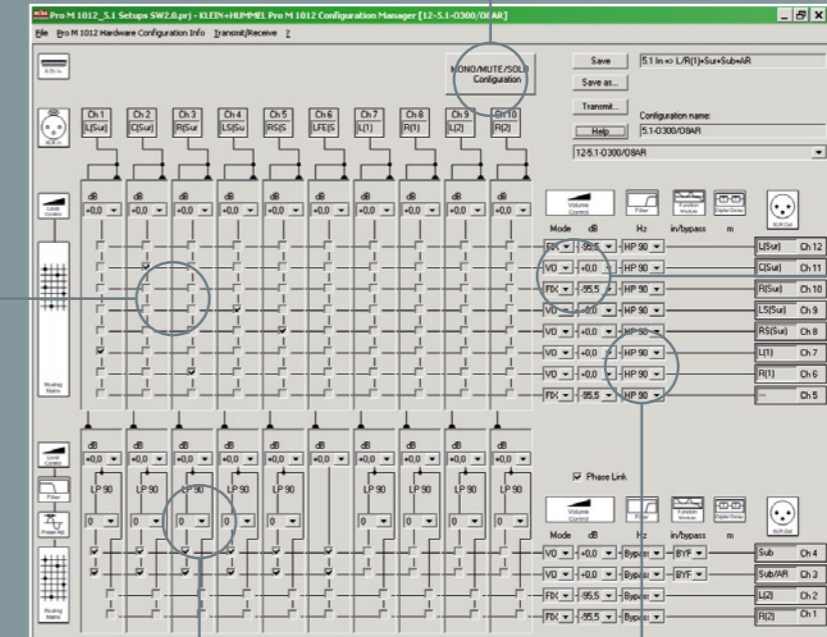
- Volume control for all 12 outputs
- Latest MDAC technology instead of performance-inhibiting VCAs
- User definable LFE channel gain
- All monitor output levels adjustable in 0.5 dB steps

Upgradeable with extension modules

- Optional input boards featuring additional channels:
 - ▶ Electronic or transformer-balanced analog inputs
- Output board for 8 additional electronically balanced outputs
- HP and LP module with 24 dB/oct. crossover and switchable corner frequencies

Configuration Manager. The included Windows application allows complete configuration of the Pro M 1012's settings to the user's needs. The screenshot below shows one of (up to 80 possible) the basic configurations.

Mono/Mute/Solo can be separately programmed for each basic configuration



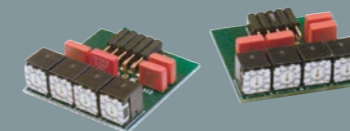
Matrix structure for outputs 5 to 12 (main loudspeakers) with adjustable input gains

12-channel volume control, configurable for each channel

Subwoofer-matrix for outputs 1 – 4 with filter and phase groups as well as programmable input gains

User selectable crossover frequency

The flexible modular concept of the Pro M 1012 allows further expansion with additional inputs and outputs



HP- and LP-modules with 24 dB/oct. frequency phasing and switchable peak frequency