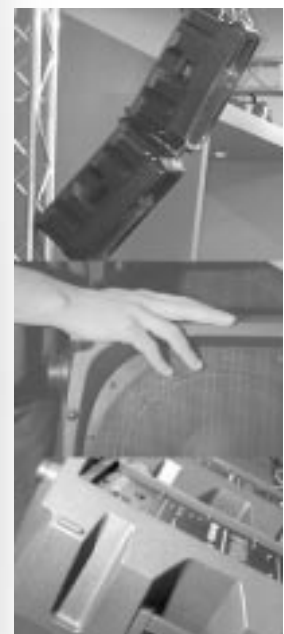


# biamped active system

# new!!!

# W400A

biamped, 2-way  
speaker system  
with 2 amps,  
2 processors  
and electronic  
crossover



**W400A**  
400W

2 built-in  
amplifiers:  
300+100 W continuous  
450+150 W peak

built-in 24db/oct  
electronic x-over

Available also as  
passive version

**W400P**  
400W / 8 Ω

When used as the main system for music performances, theatre, conferences, public address or as a stage monitor, W400A proves itself to be an exceptionally accurate, highly versatile system, providing a rich and broad range of sound experiences.

The low weight to performance ratio makes it the ideal choice for touring systems and makes its use in fixed installations easier. The shape of this one piece cabinet made from high density polyethylene includes 6 fly points (patent pending) which ensure flexible, rapid and safe assembling in fixed and mobile installations.

**Montarbo**



# W400A / W400P

ENGLISH

- 1 - High Density Polyethylene.
- 2 - Steel protection grid.
- 3 - 1" horn loaded compression driver (dispersion 90° x 70°) \*
- 4 - 12" woofer with neodymium magnet \*  
\*both transducers are custom designed on our specifications.
- 5 - Tuning ports.
- 6 - Transport handles.
- 7 - Speaker stand adaptor.
- 8 - The rear panel houses intuitive, easy to use controls and connectors:
  - 8a Balanced input (using a Neutrik Combo® combined jack-XLR connector). It may be switched to accept both line and microphone levels, allowing the use as an independent amplification system.
  - 8b Balanced XLR output (link) allows parallel connection of other W400A or active systems.
  - 8c Peak LED indicator.
  - 8d Two pushbuttons allow to adjust the frequency response to the various applications, resulting in increased versatility:
    - 'F / flat': when 'F' (high pass filter) is selected, the low frequency response is optimized for stage monitor applications.
    - 'spk / spk': in the 'spk' position, the mid-high frequency response is modified to increase the projection and presence of the vocal range.
  - 8e A sophisticated equalizer circuit allows tailoring the frequency response of the system to the different environments.
  - 8f Main volume control. It is the master volume control.
- 9 - Two AB class MosFet power amplifiers (300+100W continuous, 450+150W peak) controlled by two independent processors and by an high slope electronic x-over, (24dB/oct., 1600Hz / Linkwitz-Riley).
- 10 - The shape of the cabinet allows for both vertical (for standard P.A.) and horizontal (for stage monitoring) installation.
- 11 - 6 fly points included in the cabinet shape (patent pending).
- 12 - **W400P (passive). Rear panel:** 2 Jacks + 1 Neutrik Speakon® connector, wired in parallel.

DEUTSCH

- 1 - Gehäuse aus Hochverdichtetem Polyäthylen.
- 2 - Schutzgitter aus Stahl.
- 3 - Hornladener 1" Kompressionsdriver (90° x 70°) \*
- 4 - 12" Tieftöner (mit Neodymmagnet) \*  
\*Beide sind nach Montarbo-Anweisung hergestellt worden.
- 5 - Reflexöffnungen.
- 6 - Tragegriffe für Transport.
- 7 - Adapter für Stativ.
- 8 - Die Steuerungen und Anschlüsse an der Rückseite sind klar erkenntlich und ermöglichen eine schnelle, fehlerfreie Installation:
  - 8a Symmetrischer Eingang auf Neutrik Combo® Buchse (akzeptiert sowohl XLR als auch Klinken). Die mic/line Umschaltung mit der entsprechenden Umschalttaste ermöglicht den Einsatz als selbstständiges Verstärkungssystem.
  - 8b Symmetrischer Ausgang (link), auf XLR-Buchse, für den Parallelschluß eines weiteren Systems.
  - 8c LED-Anzeiger des Spitzenwerts.
  - 8d 2 Drucktasten ermöglichen die Anpassung des Frequenzganges des Systems an verschiedene Anwendungsbereiche:
    - 'F / flat', in der Stellung 'F' wird der Frequenzgang der Tieftöne optimiert, wenn das System als Bühnenmonitor benutzt wird.
    - 'spk / spk', in der Stellung 'spk' wird die Projektion der mittleren/hohen Frequenzen vergrößert, wodurch der Frequenzgang im Vokalbereich optimiert wird.
  - 8e Damit kann die Kurve des Frequenzganges variiert werden, um je nach den verschiedenen Einsatzbedürfnissen bestmögliche Leistungen zu erzielen.
  - 8f Kontrolle des Eingangspegels. Dient der allgemeinen Lautstärke.
- 9 - 2 MosFet Verstärker in der Klasse AB (Bässe 300 W Dauerleistung, 450 W Spitzenleistung; Mitten/Höhen 100 W Dauerleistung, 150 W Spitzenleistung), gesteuert von 2 unabhängigen Prozessoren und einer elektronischen Frequenzweiche (24dB/oct., 1600Hz, Linkwitz-Riley).
- 10 - Die Form des Gehäuses ermöglicht eine vertikale Installation (auch auf einem Stativ) bzw. eine horizontale Installation als Bühnenmonitor.
- 11 - 6 Hängepunkte eingebaut in dem Design der Box (patent pending).
- 12 - **W400P (passiv). Anschlußfeld:** 2 Klinkenbuchsen + 1 Neutrik Speakon®, (parallel).

ESPAÑOL

- 1 - Construcción de polietileno de alta densidad.
- 2 - Rejilla protectora de acero.
- 3 - Driver a compresión de 1" cargado a tromba (90° x 70°) \*
- 4 - Woofer de 12" con imán de neodimio \*  
\*ambos contruidos en base a las especificaciones de Montarbo.
- 5 - Tubos de compensación.
- 6 - Empuñadura para el transporte.
- 7 - Adaptador para soporte caja.
- 8 - En el panel posterior los controles y las conexiones se usan intuitivamente y permiten una instalación rápida y sin errores:
  - 8a Entrada balanceada en la toma Neutrik Combo® (acepta XLR y Jack), conmutable micrófono/linea por medio de un selector apropiado que permite su utilización como sistema autónomo de amplificación.
  - 8b Salida (link) balanceada XLR para la conexión de otro sistema en paralelo.
  - 8c Indicador LED de pico.
  - 8d Dos selectores de pulsador permiten adaptar la respuesta en frecuencia del sistema a las varias aplicaciones, aumentando así la versatilidad del uso:
    - 'F / flat', en la posición 'F' optimiza la respuesta en las bajas frecuencias cuando se usa como monitor de palco.
    - 'spk / spk' en la posición 'spk' aumenta la proyección de las frecuencias medio/altas, optimizando la respuesta en la gama vocal.
  - 8e Control de equalización. Permite variar la curva de respuesta y obtener un óptimo rendimiento en función de las varias exigencias de uso.
  - 8f Control del nivel de entrada. Tiene la función de volumen general.
- 9 - Dos amplificadores de MosFet en clase AB incorporados (300 W continuos, 450 W de pico para los bajos, 100 W continuos, 150 W de cresta para los medios/altos) con dos procesadores de dinámica independientes y un crossover electrónico (24dB/oct., 1600Hz, Linkwitz-Riley).
- 10 - La forma de la caja permite la instalación vertical (incluso sobre un asta) u horizontal como monitor de palco.
- 11 - 6 puntos de enganche incorporados en el dibujo del altavoz (patent pending).
- 12 - **W400P (pasiva). Panel de conexiones:** 2 tomas Jack + 1 conector Neutrik Speakon® en paralelo.

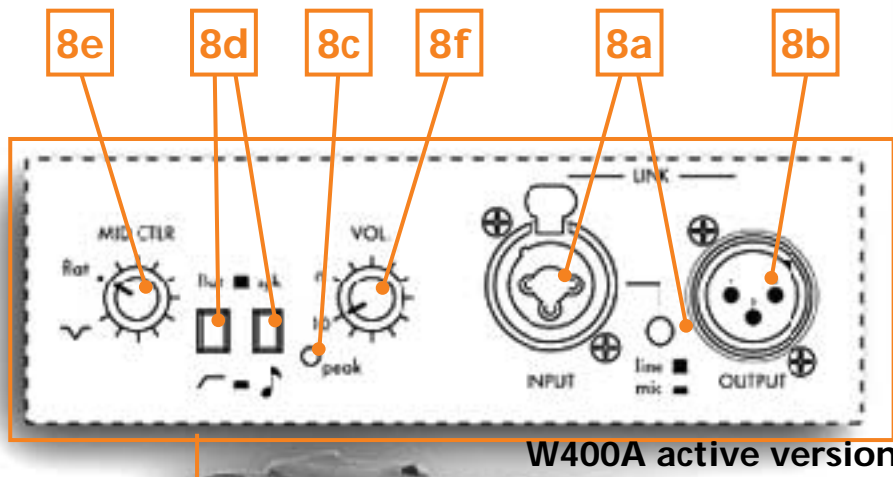
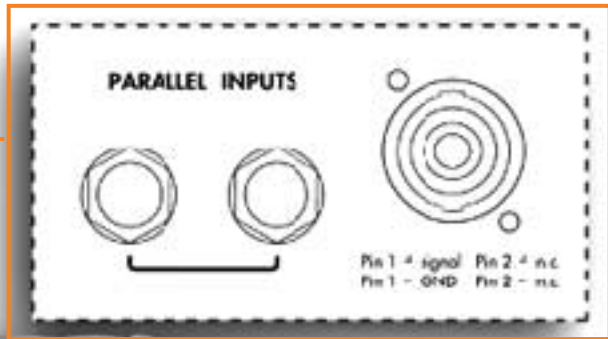
ITALIANO

- 1 - Polietilene ad alta densità.
- 2 - Griglia di protezione in acciaio.
- 3 - Driver a compressione da 1" caricato a tromba (90° x 70°) \*
- 4 - Woofer da 12" con magneti in neodimio \*  
\*entrambi i trasduttori sono realizzati su specifiche Montarbo.
- 5 - Tubi di accordo.
- 6 - Maniglia per il trasporto.
- 7 - Adattatore per supporto cassa.
- 8 - Sul pannello posteriore i controlli e le connessioni sono di uso intuitivo e consentono un'installazione veloce e a prova di errore:
  - 8a Ingresso bilanciato su presa Neutrik Combo® (accetta sia XLR che Jack), commutabile mic/linea mediante apposito selettore consentendone l'utilizzo come sistema autonomo di amplificazione.
  - 8b Uscita (link) bilanciata su presa XLR per il collegamento in parallelo di un altro sistema.
  - 8c Indicatore LED di picco.
  - 8d Due pulsanti consentono di adattare la risposta in frequenza del sistema alle diverse applicazioni aumentando così la versatilità di impiego:
    - 'F / flat', nella posizione 'F' ottimizza la risposta sulle basse frequenze quando è utilizzato come monitor da palco.
    - 'spk / spk' nella posizione 'spk' aumenta la proiezione delle frequenze medio/alte, ottimizzando la risposta nella gamma vocale.
  - 8e Controllo equalizzazione. Permette di variare la curva di risposta ed ottenere così una resa ottimale in funzione delle diverse esigenze di impiego.
  - 8f Controllo del livello di ingresso. Ha la funzione di volume generale.
- 9 - Due amplificatori a MosFet, classe AB, (300+100 W continui, 450+150 W picco) controllati da 2 processori indipendenti e da un

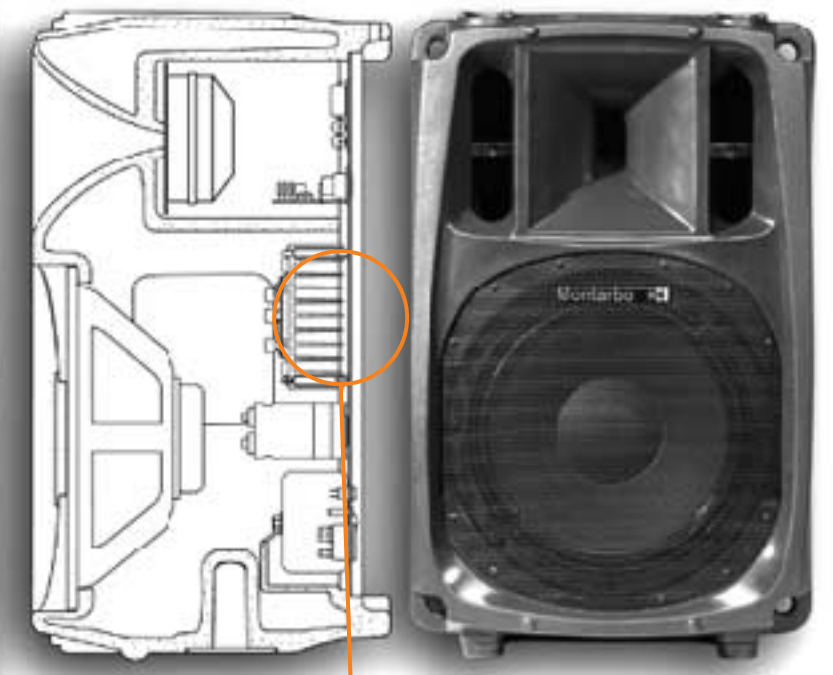
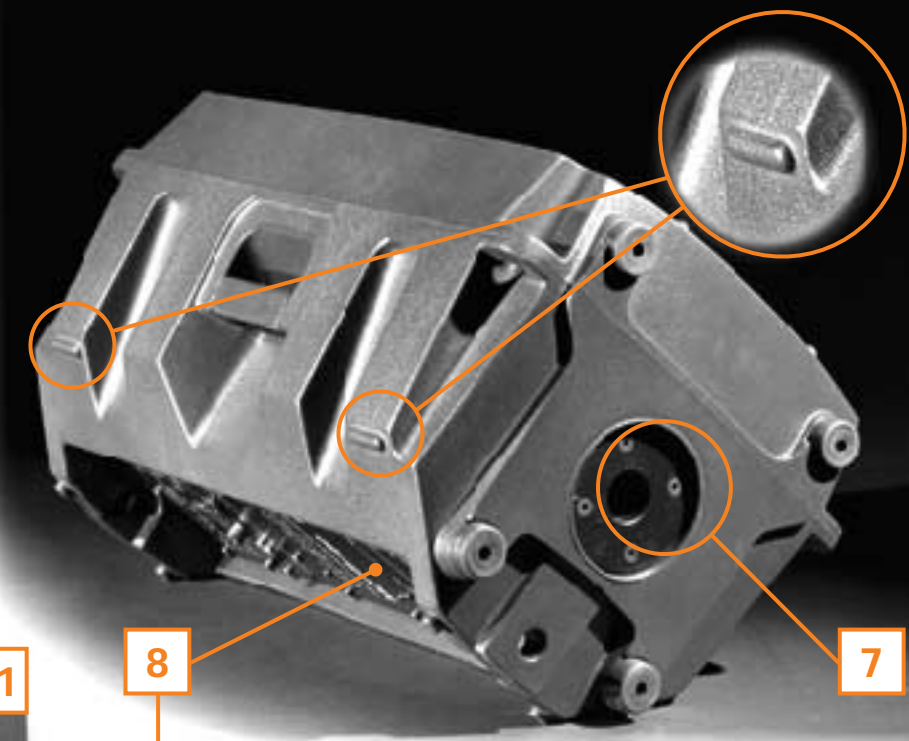
FRANCAIS

- 1 - Baffle en polyéthylène à haute densité
- 2 - Grille de protection en acier
- 3 - Driver à compression de 1" à pavillon (90° x 70°) \*
- 4 - Woofer de 12" avec aimant néodyme.\*  
\*Les deux composants sont fabriqués selon nos spécifications.
- 5 - Événets d'accord.
- 6 - Poignée de transport.
- 7 - Adaptateur pour stand.
- 8 - Par la simplicité d'utilisation des commandes et raccords sur le panneau arrière, l'installation se fait rapidement et sans erreurs:
  - 8a Entrées symétriques sur prise Neutrik Combo® (recevant XLR et Jack), sélecteur micro/ligne qui permet l'emploi comme système

12  
W400P  
passive version



W400A active version



W400A



# W400A / W400P

Monitor and PA system



The trademarks "Neutrik Combo®" and "Neutrik Speakon®" are properties of Neutrik.

SPECIFICATIONS

## W400A & W400P:

- **Enclosure** 2-way vented box, low turbulence ports.
- Components** Custom designed to our specifications:  
1 x 12" neodymium magnet woofer;  
1 x 1" compression driver loaded by a 90° x 70° horn.
- Sensitivity** 100 dB SPL @ 1W/1m
- Frequency response** 45 Hz ÷ 20 kHz
- **Construction** H.D. polyethylene cabinet;  
**6 fly points** integrated in the design of the cabinet;  
steel protection grille; stand adapter.
- **Dimensions (W x H x D)** 40 x 65 x 35,5 cm

## W400A:

- Max. SPL** 128 dB
- Electronic crossover** 1600 Hz / 24dB octave (Linkwitz-Rhiley).
- **Built-in amplifiers** 2, class AB, MosFet power amplifiers,  
controlled by 2 independent processors.
- Max. output power** 300 + 100 W
  - bass** 300 W continuous (8 Ohms, @ 0.1% THD)  
450 W peak
  - mid/high** 100 W continuous (8 Ohms, @ 0.1% THD)  
150 W peak
- Connections** Combined XLR and 1/4" jack (Neutrik Combo®)  
for the balanced mic/line input;  
XLR balanced output (link).
- **Weight** 18,5 kg

## W400P:

- Nominal impedance** 8 Ω
- Power handling** 400 W
- Connections** 2 Jacks + 1 Neutrik Speakon®  
connector, wired in parallel.
- **Weight** 14,5 kg

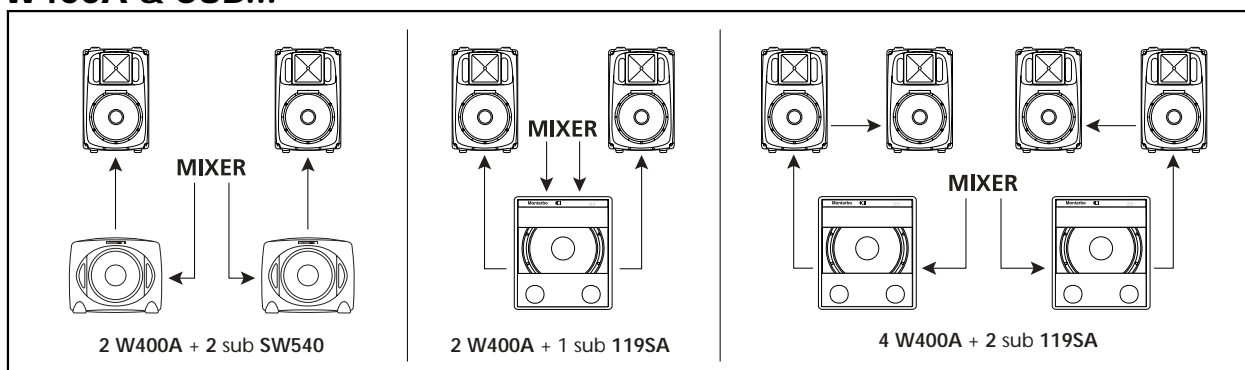
# Montarbo



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## W400A & SUB...



In the applications requiring an extension of the low frequency range, the W400A combines perfectly with the Montarbo self-powered subwoofers SW540 and 119SA, with built-in stereo electronic crossover.