

AM 12, M 12

By far more than just a "monitor" – but the "tool for millions of applications"!

At first glance it looks just like a normal active monitor speaker, but taking a closer look it turns out to be a compact, yet complete sound reinforcement system with lots of features including an entire mixer and tone control section. The AM12's passive version, the M12, is the perfect acoustic and optical match. Both systems outline themselves through their appealing design and impressive sound offering a range of possible applications that is nearly endless:

- stage monitoring
- small PA-system with or without sub woofer
- instrument amp (e. g. for keyboards, acoustic guitar, etc.)
- sound reinforcement at presentations
- rehearsal room PA-system
- flexible, lightweight PA-system for promotional events
- sidefill bei größeren Systemen

This list could be extended endlessly. But there is one thing that all of these applications have in common: the AM12 provides a true plug&play solution, which in addition convinces through effortless transportation and setup. Therefore, the AM12 – whether with or without its passive counterpart, the M12 – is the perfect monitor-solution to be used together with PowerMate Series mixers!



M12, AM 12



The active 2-way concept with the possibility to optimally match the integrated power amps to the connected speaker systems results in extremely precise, intelligible and leveled sound reproduction with great on-stage presence. The „Acoustic Processing“- section and our patented LPN-filter allow to optimally shape the sound even under acoustically problematic conditions.

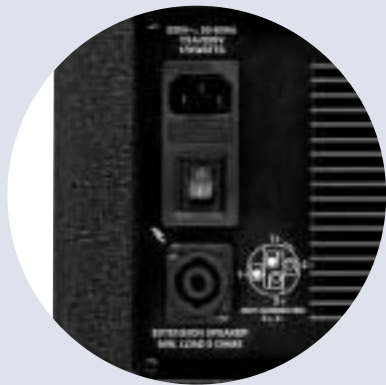
Of course, the integrated „High Efficiency“ power amps are guarded by all the protection-circuitry which DYNACORD equipment is famous for, ensuring absolute

reliable operation of the 360W amplifier module – even under most strenuous circumstances. Next to their professional structure-lacquer finish, the AM12 / M12 enclosures also employ pole-mount stand sleeves, rigid front grilles and last but not least carrying handles.

Various connection possibilities in the input section – like line in, line out, microphone, tape, CD, and a speaker output for connecting an additional passive monitor or sub woofer – complete the list of features.



AM12



- **2-Way Active Monitor System**
- **Oower Amp Module** 2-way active with 360W output power capacity in a High Efficiency „Class H“ power amplifier design
- **Additional Full-Range Power Output** via SPEAKON-type connector
- **Acoustic Processing Section:**
 - LO: LPN, controllable between 0dB ... +12dB
 - MID: notch filter, controllable between -6dB ... 0dB
 - HI: shelving EQ, controllable between -10dB ... +10dB
 - internal LO-CUT filter
- **Input and Mixing Section:**
 - MIC input via XLR-type connector, phantom powered and with volume control
 - LINE input via phone plug, balanced with volume control
 - LINE output via phone plug for through-connecting the signal
 - AUX input via RCA-type connector for TAPE, CD, DAT.
- **Status Display:** power, limit, protect
- **Protections:** audio limiter, peak current limiter, back-EMF, DC/HF, short circuit, thermal overload, output relay

AM12

M12

System Specifications

	AM12	M12
Design	2-way Active Speaker Cabinet	2-way Passive Monitor
Sound Pressure Level 1W/1m	100 dB	100 dB
Maximum Sound Pressure Level 1m (calculated)	125 dB	125 dB
Frequency Range	55Hz - 18kHz	80Hz - 18kHz
-10dB (AM12: LO Control in max. pos.)		
Components		
High Frequency Transducer:	HFT 3008	HFT 3008
12" Woofer:	LFT 3008	LFT 3008
Power Consumption at 1/8 maximum output power @ 4 W	180 W / 230V, 50Hz	
Dimensions (W x H x D), mm	530.5 x 355 x 344	530.5 x 355 x 344
Weight	21 kg	16 kg

Amplifier Specifications

	AM12	M12
Design	Fullrange Amplifier Class H (High Efficiency)	High Frequency Amplifier Class AB
Maximum Midband Output Power	300W	60W
THD=1%, 1kHz, 10kHz		
Rated Output Power	250W	40W
THD<0.2%, 30Hz - 20kHz, 3kHz - 20kHz		
Maximum Output Power	450W	70W
Dynamic-Headroom, IHF-A		
THD+N at rated output power, MBW=80kHz, 1kHz, 10kHz	< 0.1%	< 0.1%
Signal to Noise Ratio, A-weighted	104 dB	105dB
Protection	Audio limiters, thermal overload, DC, HF, Back-EMF, Peak current limiters, Inrush current limiters, Turn-on delay, Speaker Protection for HF-Driver	

Input and Mixing Section

Inputs	Mic Input (XLR), Phantom Power Line In & Out (1/4" Jack Sockets) AUX Input (Cinch L/R)
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Acoustic Processing Section

	HI - EQ MID - Notch 4kHz LO - LPN* variable
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Indicators	Power, Limit, Protect
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Unless otherwise specified: Amplifiers at rated conditions, 4W load on full-range and 8W load on hf-amplifier, Acoustic Processing controls in 0-position, Line Trim in max. position, MIC & AUX Level in min. position. *patented