

Technomad IPA.5 Turnkey PA System



Speaker Features:

- Powerful, weatherproof Vernal loudspeakers
- Horn-loaded 1" HF compression drivers – superior performance to dome-tweeter designs
- Outstanding throw and projection, clear sound, excellent intelligibility, and wide dispersion
- Self-draining cabinet
- One-piece, acoustically superior rotationally-molded enclosure: virtually indestructible and not affected by UV radiation or severe weather.
- Integral, designed-in weatherproofing does not compromise acoustic performance – (a common problem with “weatherized” versions of other manufacturers’ products.)
- Multiple threaded inserts molded into cabinet wall allow easy installation in any orientation, using standard-thread hardware
- Smooth, architecturally neutral appearance
- Stainless hardware and grills

System Features:

- 100W per channel power amplifier
- Audio mixer with two microphone inputs and four line level inputs.
- Convenient front 3.5mm input jack on mixer for connecting phones/tablets.
- Pre-programmed limiter reduces risk of damage through overdriving over the system
- Stainless, multi-position wallmounts
- Handheld, wired mic w/ 15' cable included.
- System arrives complete: pre-wired, integrated and ready to be installed.
- All hardware included other than speaker bracket to mounting surface hardware
- Available upgrades include wireless microphones, audio players, additional speakers and more

Why Choose a Technomad Turnkey System?

With a Technomad turnkey system, the audio quality is vastly better than “horn” systems or music-store PAs, with clear speech reproduction and high-fidelity music playback. Speech is clear even at long distances, or in windy / noisy environments, and music sounds great, with detailed highs and deep bass. The audio mixer allows two mic-level and four line-level sources (such as a CD player, tape deck, or MP3 player) to be connected to the system. The system includes a pre-programmed limiter to greatly reduce the risk that an untrained operator (say the JV football team) from overdriving the system and damaging speaker components.

All electronics are pre-wired and installed in a rugged rack case for secure transport or storage. Because Technomad assembles and tests your system at the factory, all you have to do is plug the amplifier rack into clean AC power and attach the loudspeaker cables to the loudspeakers. You can easily connect an iPod™/MP3 player, CD player or tape deck to the system, if desired. Most people have their systems up and running in 15 minutes, even if with no prior audio expertise. The only additional hardware needed is the appropriate bolts to mount the speaker brackets to the surface on which they are being installed.

Technomad Turnkey PA systems are ideal for academic applications, event audio, sporting events, music playback, voice paging, and more. Quick to set up and use, Technomad Turnkey PA systems are the best solution to your audio needs.

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Performance Specifications

Vernal loudspeakers:

Frequency Response	70Hz- 20kHz (+/- 2 dB) 55Hz- 20kHz (+/- 10 dB)
Maximum Continuous Power	120 watts
Maximum Peak Power	250 watts
Sensitivity *	92 dB SPL
Maximum Output (long term)	114 dB SPL
Maximum Output (peak)	117 dB SPL
HF Dispersion	120° V x 120° H
Nominal Impedance	8 ohms
* per speaker, nominal	

Amplifier	2x 100w/ch into 8Ω, 2x Speak-On outputs
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Internal Mixer	2x mic level inputs 4x line level input
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General Specifications

Power input	120VAC or 220VAC (factory option)
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Physical Specifications

Materials

Cabinet	Speaker - HDPE
Speaker brackets	Stainless Steel

Ratings

Flame Rating	UL94
IP Rating (speaker)	IP56

Weights/Dimensions

Vernal speaker

9.1 x 6.1 x 6.1", 8.5 lb
23 x 15.4 x 15.4cm, 3.86 kg

Amplifier Rack

22.5 x 23.0 x 13.5", 55 lb
57.1 x 58.4 x 34.3cm, 24.9 kg

Available Options

Mounting Options

Wall-mount brackets (included)
Yoke-mount bracket upgrade
Pole-mount Adaptor

Electronics Options

Wireless microphone - handheld
Wireless microphone - headset
BlueTooth™ audio receiver
CD player
Schedulon audio player/recorder

Architectural and Engineering Specifications

The turnkey system will be a complete system including two full range, weatherproof speakers, one 6U polyethylene rack case containing a power amplifier, six input audio mixer and power distribution unit. The system will also include a wired handheld microphone, The system will include two 50' Speak-on to Speak-on 12G speaker cables.

The loudspeakers shall be of two-way type consisting of a 5.25" low frequency cone type transducer in a vented direct radiating enclosure and a horn-mounted 1" compression driver. All external hardware and mounting brackets shall be stainless steel. The speakers shall meet the following performance criteria: Frequency Response: 70 Hz - 20 kHz. Power Handling: 120W. Rated Impedance shall be 8 ohms. High frequency dispersion shall be 120° H x 120° V. The cabinet shall be molded from mid-density (100% recycled if black) polyethylene. All cabinet dyes shall be non-heavy metal based.

The cabinet shall meet Mil-Spec 810E and be ATA-III compliant. The cabinet shall have a 10 year warranty.

The power amplifier will have two channels, each rated for 100W output max. continuous into 8Ω. The amplifier will have Speak-on outputs.

The audio mixer will have six channels - 2x XLR microphone inputs and 4x RCA line level inputs.

The PA system shall be the Technomad IPA.5.

If the system is the IPA.5 Plus, it will include the additional options - two wireless handheld microphone systems and one CD player with BlueTooth™ connectivity and MP3 audio playback. All components are installed into the electronics rack.