

# Technomad Turnkey PA Systems

Get the sound your team, venue, or event deserves.



**The Problem:** You know you need a real sound system... for too long you've put up with hard-to-hear speech, and music that sound like it's coming through a telephone. The problem is, what kind of loudspeakers to get? You want something that's going to last, but most "weather-resistant" loudspeakers only survive a season or two if you're lucky (and sound pretty terrible anyway). Then you have to figure out what kind of amplifier to get, choose a mixer with all the connections you need, get a microphone, pick the right cables, hook everything up correctly... What a hassle.

**The Answer:** Good news! Technomad, manufacturer of military-grade loudspeakers for the US Armed forces and theme park and cruise ship customers around the globe, presents its new **Turnkey PA Systems**. These are complete, ready-to-use PA systems that include Technomad's mil-spec weatherproof loudspeakers, mounting brackets, speaker cables, and a pre-wired control rack with an expandable mixer (with mic and CD-Tape inputs), a hand-held microphone, and a transport storage case. All you have to do is plug in power, attach the loudspeaker cables, and... you're done!

**You don't need ANY special audio knowledge** to install and use a high quality PA system at your stadium or venue (and we have mobile systems too, in case you need to use your sound system in several places).

There are 3 sizes of system: small, medium, and large. The **medium system handles an entire high school football stadium** with ease - home, field, and away sides.

**The sound quality?** Better than any outdoor audio system you've ever heard - speech is clear even at long distances, or in windy / noisy environments, and music sound great, with detailed highs and deep bass. No music store PA or cheap plastic "all-in-one" PA system can compete with the military-grade power and reliability of Technomad.

And yes, you can **install the loudspeakers permanently outdoors** - they need no special protection to sound great in any weather, for years and years. Read on to pick your PA system, and finally get the PA system- and the sound quality - you deserve.

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# Turnkey PA System Examples



View of a Typical Football Field



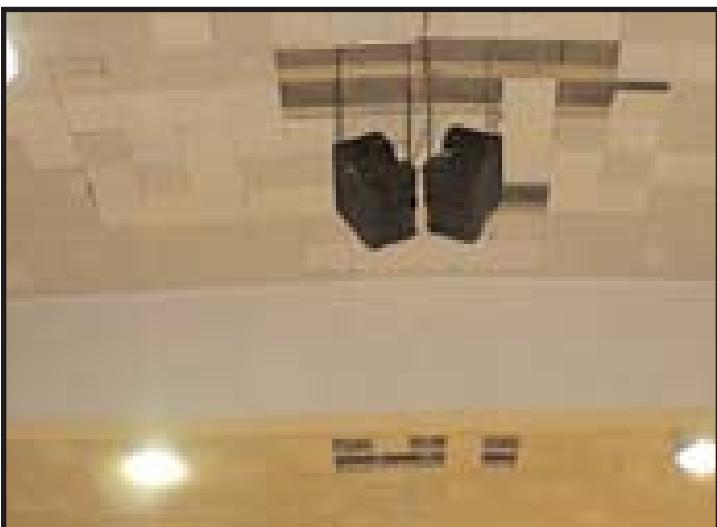
Loudspeaker Closeup



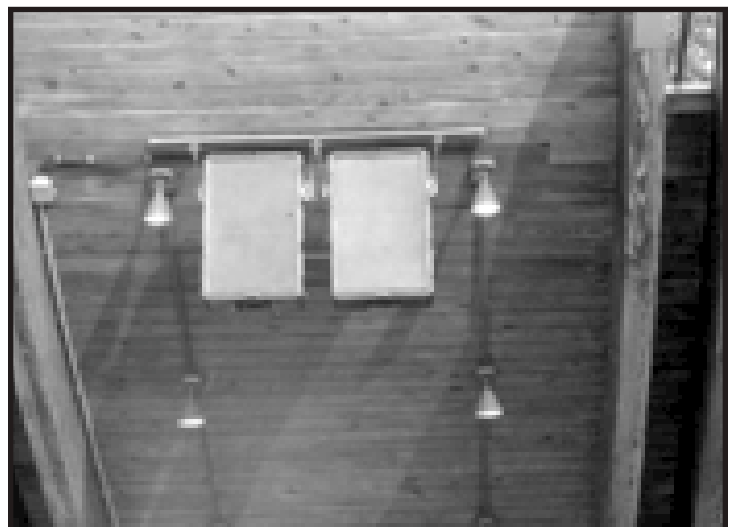
Loudspeakers Installed on Press Box



Control Rack and Microphone



Turnkey PA System Installed in Gym



Turnkey PA System in Gym

# Turnkey PA Systems

## Complete, Pre-Integrated Technomad PA Systems



shown: mPA3 PA System - Two Berlin 15/H loudspeakers, amp/mixer rack

Complete systems for mobile or permanent audio

Systems include Technomad Mil-Spec weather-proof loudspeakers

Systems include power-matched amplifier, a mixer, microphone, wiring, stands/tripods

All electronics are pre-wired in a rugged flightcase for secure transport or storage

Integration & setup done at Technomad factory

Typical Setup Time: 15 minutes - no audio experience required to setup and use

Three Installation Systems (iPA1, iPA2, iPA3)  
Three Mobile Systems (MPA1, MPA2, MPA3)

Included mixer with two mic inputs, four line-level inputs

Outstanding music playback and voice projection

Need a complete audio solution for your mobile or permanently-installed audio project?

Technomad Turnkey PA systems combine our Mil-Spec weatherproof loudspeakers with a power-matched amplifier, a mixer with mic / CD inputs, a hand-held dynamic microphone, all wiring, mounting hardware or tripods, and speaker cables.

All electronics are pre-wired and installed in a Mil-Spec flight case for secure transport or storage. Because Technomad assembles and tests your system at the factory, all you have to do is plug it into AC power and attach the loudspeaker cables to the loudspeakers.

Most people have their systems up and running in 15 minutes, even if they have no prior audio experience. A hand-held microphone is included, and the integrated mixer allows two mic-level and three line-level sources

(such as a CD player, tape deck, or MP3 player) to be attached to the system.

Technomad turnkey PA systems are ideal for academic applications, event audio, sporting events, music playback, voice paging, and more.

Systems can be drop-shipped, and are shippable via UPS.

There are six turnkey PA system to choose from - three for installations (which include wallmounts), and three for mobile use (which include tripods).

Quick to set up and use, Technomad Turnkey PA systems are the simple solution to your audio needs.

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# Turnkey PA System Specifications

## iPA1 - small install PA system

Loudspeaker: 2 x Vienna 16  
Amplifier: Technomad 050 Amplifier ( 2 x 175w)  
Mixer: Technomad M1 Mixer, 2 mic in, 3 RCA in  
Microphone: Dynamic, Switched w/ Cable  
Rack: Technomad 6-space rack  
Wallmounts: 2 x Technomad 512 mount  
Speaker Cable: 2 x 50', 12 gauge  
Ship Weight: 150 lbs (68 kG)  
Audience: 500+

## mPA1 - small mobile PA system

Loudspeaker: 2 x Vienna 16  
Amplifier: Technomad 050 Amplifier ( 2 x 175w)  
Mixer: Technomad M1 Mixer, 2 mic in, 3 RCA in  
Microphone: Dynamic, Switched w/ Cable  
Rack: Technomad 6-space rack  
Tripods: 2 Technomad S6 stands  
Speaker Cable: 2 x 50', 12 gauge  
Ship Weight: 150 lbs (68 kG)  
Audience: 500+

perfect  
for football and baseball  
stadiums !

## iPA2 - medium install PA system

Loudspeaker: 2 x Noho C Install Model  
Amplifier: Technomad C100 Amplifier ( 2 x 275w)  
Mixer: Technomad M1 Mixer, 2 mic in, 3 RCA in  
Microphone: Dynamic, Switched w/ Cable  
Rack: Technomad 6-space rack  
Wallmounts: 2 x Technomad 694 mount  
Speaker Cable: 2 x 50', 12 gauge  
Ship Weight: 200 lbs (91 kG)  
Audience: 1000+

## mPA2 - medium mobile PA system

Loudspeaker: 2 x Noho C Tour Model  
Amplifier: Technomad C100 Amplifier ( 2 x 275w)  
Mixer: Technomad M1 Mixer, 2 mic in, 3 RCA in  
Microphone: Dynamic, Switched w/ Cable  
Rack: Technomad 6-space rack  
Tripods: 2 Technomad S6 stands  
Speaker Cable: 2 x 50', 12 gauge  
Ship Weight: 200 lbs (91 kG)  
Audience: 1000+

## iPA3 - large install PA system

Loudspeaker: 2 x Berlin 15/H Install Model  
Amplifier: Technomad C200 Amplifier ( 2 x 400w)  
Mixer: Technomad M1 Mixer, 2 mic in, 3 RCA in  
Microphone: Dynamic, Switched w/ Cable  
Rack: Technomad 6-space rack  
Wallmounts: 2 x Technomad 694 mount  
Speaker Cable: 2 x 50', 12 gauge  
Ship Weight: 300 (136 kG)  
Audience: 2000+

## mPA3 - large mobile PA system

Loudspeaker: 2 x Berlin 15/H Tour Model  
Amplifier: Technomad C200 Amplifier ( 2 x 400w)  
Mixer: Technomad M1 Mixer, 2 mic in, 3 RCA in  
Microphone: Dynamic, Switched w/ Cable  
Rack: Technomad 6-space rack  
Tripods: 2 Technomad S6 stands  
Speaker Cable: 2 x 50', 12 gauge  
Ship Weight: 300 (136 kG)  
Audience: 2000+

All Technomad turnkey PA systems are integrated at the Technomad factory, and are delivered "ready -to-use". Typical setup time is 15 minutes. Systems include Technomad high-performance weatherproof loudspeakers and a pre-wired rack containing a mixer (5 inputs: 2 mic and 3 line ), and a power-matched amplifier. A hand-held mic, tripods (or wallmount brackets), and speaker cables are also included. System components and specifications subject to change without notice.

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# Frequently-Asked Questions

## » Are Technomad Turnkey PA Systems REALLY weatherproof?

The loudspeakers included with Technomad Turnkey PA Systems are completely weatherproof. They are impervious to rain, snow, sleet, salt fog, UV radiation, insect attack, rough handling, and more. They are Military-Grade, and are constructed from thick, one-piece polyethylene. No other commercial loudspeaker comes close to the physical and electrical reliability of Technomad. You can install your Technomad loudspeakers outdoors, permanently, year-round. The "control rack" - amplifier / mixer racks - can get wet when their lids are attached, but should be protected from moisture when in-use.

## » What makes these systems better than "music store" systems?

"Music store" PA systems are intended for general purpose, indoor sound reinforcement. They cannot survive outside installation (the loudspeaker cones will break down, the cabinets will rot, metal will rust, etc). Also, these systems are unable to project sound powerfully enough to cover large, outdoor areas. Speech will be unclear, and music will lack impact. In contrast, Technomad Turnkey PA systems offer an unmatched combination of military-grade reliability and powerful audio reproduction that handles large outdoor areas with ease.

## » What makes these systems better than "all-in-one" systems?

People sometimes attempt to cover their indoor or outdoor even using a compact, "all-in-one" PA system such as the Fender Passport or Anchor Liberty PA. While these systems are useful for small, low-volume events, they are not powerful enough to project sound in large outdoor areas or in noisy, reverberant gyms. These systems tend to be operating at the edge of their capacity, and sound strained, distorted, or clipped when pushed too hard. Sound quality suffers, and speech clarity is very poor. Also, these all-in-one systems are highly sensitive to weather (rain, moisture, etc.) and cannot be installed permanently. A Technomad Turnkey PA system offers VASTLY better music and speech quality than cheap plasticall-in-one systems, and are orders of magnitude more reliable.

## » How clear / intelligible is speech through a Turnkey PA system?

Technomad Turnkey PA systems offer unmatched speech and voice clarity, free of horn-mouth distortion and the limited frequency range of other systems. The result? Speech is clear, intelligible, and natural sounding, even in noisy or windy environments. Choose Technomad Turnkey PA systems for the best voice clarity available.

## » How is the sound quality? Can I play music through a Technomad Turnkey PA?

Technomad Turnkey PA systems equal the music playback quality of the finest commercial PA systems. They deliver "no-compromises" music quality, with deep bass and clear, detailed highs. Speech, singing voice, and amplified instruments all sound great when reproduced by a Technomad Turnkey PA system.

## » Why should I use Technomad Turnkey PA systems instead of a "horn" system?

Horn systems degrade speech and destroy music quality. Technomad Turnkey PA systems handle voice paging and music playback, and do it all vastly better than a horn system or a "music store" PA system.

## » Where can I install them?

Technomad Turnkey PA systems can be installed on a building, press-box, pole, or other sturdy structure. Note: there is a best place to install speakers in a stadium for best sound quality. See below... In general, Technomad Turnkey PA systems can be used virtually everywhere.

## » What is the best place to install loudspeakers in a football stadium? or a baseball stadium?

The natural instinct is to install loudspeakers on poles, facing the "homeside" stands. This is a mistake. Speakers should be located on the PressBox, pointing directly across the field at the Away Side. For baseball use, you should install loudspeakers behind home plate in a cluster, one loudspeaker pointing @ 45 degrees left and the other @ 45 degrees right.

## » What kind of power do they require?

All Technomad Turnkey PA systems operate off of standard 110/120V AC power. A 10A circuit provides ample current.

## » Can I hook up my existing audio equipment to a Technomad Turnkey PA?

YES. Technomad systems are "open" - we provide mixers with standard XLR, 1/4", and RCA connectors, allowing you to plug virtually any audio playback device (cd player, tape deck, iPOD, MP3 player, computer) into the PA system.

## » What kind of operating range can I expect from the Technomad Turnkey PA systems?

Under optimal conditions the iPA1 or mPA1 (small install or small mobile systems) will cover the home-side of a football field, and some of the field itself - @ 500+ people. The iPA2 or mPA2 (medium install or medium mobile systems) will cover and ENTIRE football field - home side, field, and away side - @ 1000+ people. The iPA3 or mPA3 (large install or large mobile systems) will cover very large sports facilities - 2000+ people.

## » Are Technomad Turnkey PA systems expandable? Can I add more speakers to a basic system later?

YES. You can add like-type loudspeakers to any Technomad Turnkey PA system to bring the total quantity up to 6 loudspeakers. You do not need to change your amplifier to power six speakers - this capability is built-in.

## » What special training do I need to have to setup and use a Technomad Turnkey PA system?

None! Technomad Turnkey PA systems are designed to be simple to setup and use, and come with detailed, step-by-step instructions. Most people can have Technomad Turnkey PA system up and running in @ 15 minutes, even if they have no prior audio experience.

**To Order:** contact Technomad at **1.800.464.7757** for the name of a local or national dealer. Or, visit <http://www.technomad.com/systems/> and click the order tab.