How do you guarantee superior performance? You work at it. Develop a great concept, choose the best tools, build the product correctly from premium materials—these are the secrets to Dayton Audio’s enviable stature in a very competitive market.

Dayton Audio loudspeaker drivers compete with the world’s finest. Manufacturers and consumers who use our speakers know this. Our plate amplifiers suit custom in-cabinet installation, while other models offer stand-alone elegance. DATS and OmniiMic test & measurement systems are embraced by speaker hobbyists, pro audio contractors, and factory engineers.

Our proven products combine real-world design excellence with high-tech manufacturing. Everything that carries Dayton Audio’s label meets stringent quality standards and is backed by industry-leading warranties and support.

For over two decades, Dayton Audio has specialized in audio components, particularly the field of loudspeaker design and production. While most of the engineering and development work is performed in the US, Dayton Audio goods are manufactured in North America, Europe, and Asia. This synchronicity offers benefits of quality, logistics, and performance without compromise. Throughout the years, Dayton Audio products have received acclaim worldwide and are often compared favorably to similar items costing far more.

Innovation. Value. Quality. Aren’t these what you want in an audio product? There’s no reason to settle for anything less. Dayton Audio’s mission is to calibrate a fine balance between technology and art in order to exceed our customers’ expectations. Competitive costs and after-sale support also feature heavily in Dayton Audio’s vision of excellence. Our engineering team collaborates with OEM/ODM partners in order to create optimized, personalized product platforms.

Dayton Audio’s experienced team of designers places a high value on technical excellence, product reliability, and consistency of electro-acoustical performance. Our 20+ years of inspired, rational engineering has led to international acclaim by the loudspeaker community in particular. Never, in the pursuit of our audio goals, do we compromise on functionality or quality control.
Dayton Audio offers custom Original Equipment Manufacturer (OEM) and Original Design Manufacturer (ODM) services. This means we not only offer custom branded solutions within our product areas, but are a complete developmental partner capable of implementing fully-customized product solutions—from concept to production!

Research and Development

The Dayton Audio product development team interacts continuously with industry professional associations such as ALMA (Association of Loudspeaker Manufacturing & Acoustics), CEA, NAMM, CEDIA, and infoCOMM. This connectivity, often in a leadership role, with the forefront of the audio and electronics trades ensures Dayton Audio’s ability to offer retail consumers and OEM/ODM partners the highest magnitude of benefits.

Our research & development team relies on state of the art, industry-standard tools, including the Klippel Distortion Analyzer (motor design, position, suspension geometry), Klippel Power Monitor 8 (power handling and heat dissipation), and CLIO (frequency response).

Our experience and proficiency have enabled us to be developers of our own test & measurement solutions, including OmniMic and DATS, making Dayton Audio expertise available to everyone involved in the field of electro-acoustic transducer design and evaluation. These combined technologies are interlaced with extensive listening tests in order to achieve the optimum results when the product is deployed.

Quality

Dayton Audio’s passion for audio performance is combined completely with a commitment to total product quality. Our experience satisfying the needs of end users enriches our ability to service OEM/ODM partners.

By utilizing quality control processes such as FMEA (Failure Mode Effect Analysis), PPAP (Product to Part Approval Process), DATS (Dayton Audio Test System), and Klippel, Dayton Audio is able to offer total assurance of product performance.

Logistics and Delivery

Superb design and competent project management amount to little unless they are accompanied by capable logistical support. The Dayton Audio facility includes thousands of cubic feet of warehouse space, located in a vibrant 90-minute market that also enjoys excellent international shipping access. Our pro warehousing team uses advanced inventory control and management technologies to move your orders down the street or across the world.

Dayton Audio’s proven ability to conceive, design, produce, and deliver a product ensures that cost and capitalization are reduced from your operating budgets, while guaranteeing consistent, predictable service.

Great Ideas Brought to Market

Add up Dayton Audio’s design and manufacturing competencies, experienced support personnel, and financial stability—the numbers make a lot of sense for your business. To inquire about implementing your own custom program, please contact us via info@daytonaudio.com or call 937-743-8248 today!
Designer Series Aluminum Cone Woofers

The Designer Series by Dayton Audio was developed specifically with the speaker designer in mind. It is an affordable, attractive line of drivers that puts performance first. Careful engineering ensures that each speaker in the series is capable of handling full rated power at the lowest possible frequencies—without exceeding Xmax.

WF60PA 60W Class D Plate Amplifier with Wi-Fi and Bluetooth

The WF60PA can easily integrate into any speakers to create an awesome audio system. The convenient Hi-Fly APP and IR remote allows full control of the amplifier’s power, volume, and input selection. In addition, the mono line level subwoofer output makes it easy to add a powered subwoofer to the system if desired. The WF60PA 60 Watt plate amplifier has multiple input options including Wi-Fi, optical, RCA, 3.5 mm, and Bluetooth 4.0 with aptX®.

KAB Bluetooth Amplifier Boards

The extremely versatile Dayton Audio KAB Bluetooth Amplifier Boards allow for quick and easy addition of audio to any project, speaker build, point of purchase display, kiosk, or any location where audio enhances the experience.
Digital Signal Processing Plate Amplifiers

You have the flexibility to use this plate amp to control two subwoofers or a portable PA system using the high pass outputs in conjunction with a powered sub. Shape the sound with the built-in DSP by adjusting PEQs, HPF, LPF, Phase, Sub Tuning and Mains Delay according to your needs and tastes. Use the included microphone with Auto Room EQ function to get the best sound no matter where the system is placed. You can adjust various parameters using the display selection knob, laptop or phone app. You're in complete control!
CE Series Micro/Mini Drivers
Each CE Series driver provides excellent audio quality no matter what the overall system design goals may be. These versatile yet economical loudspeakers are available in sizes from 28 mm (1-1/8”) to 90 mm (3-1/2”) in diameter, and with power ratings from 1.5 watts to 5 watts continuous RMS power. Miniature audio applications deserve full-sized design solutions, and Dayton Audio’s CE Series offers big-speaker engineering in a small-speaker format.

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>CE30P-4</td>
<td>High-output double neodymium magnet motor</td>
</tr>
<tr>
<td>CE40-28P-8</td>
<td>Slim design for narrow and shallow profile installation</td>
</tr>
<tr>
<td>BMT25-4</td>
<td>Unique, square-shaped form for tight driver-to-driver placement</td>
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Exciters & Specialty Transducers
Exciters and surface transducers convert virtually any substrate into full-range sound. They are used in many industries, including gaming, point of purchase, robotics, displays, transportation, glass, and signage. Because of their low profile nature, these devices can be used in the most creative ways to introduce sound into markets that have been without audio due to environmental or space limitations. Exciters offer much wider dispersion and less attenuation with distance.

Exciter transducers turn virtually any surface into amazing sound.

Learn more about this technology by reading our whitepaper at daytonaudio.com
AMT Series Tweeters
- Resolution and detail that exceeds the capabilities of most dome tweeters
- Powerful, lightweight neodymium magnet structure for low distortion and high efficiency

Reference & Classic Series Tweeters
- Low-distortion motors and premium diaphragms deliver superb accuracy
- Advanced transducers for monitor-quality loudspeaker systems

Classic & Reference Series Dome Midranges
- Low-mass doped fabric or aluminum diaphragm for articulate reproduction
- Excellent off-axis response, especially at higher frequencies

Planar Series Tweeters
- Superb resolution and detail for the most discerning audiophile
- Wide horizontal and narrow vertical dispersion patterns are ideal for line arrays use

Neo Tweeter Series
- Excellent sensitivity, smoothness, and power handling
- Economical 2-way option with most small woofers

Tweeters and Midranges
HIGH PERFORMANCE LOUDSPEAKER SOLUTIONS
HIGH PERFORMANCE LOUDSPEAKER SOLUTIONS
Woofers, Midranges, and Full-Ranges

Neo-Balanced Series
- Neo-Balanced motor structure with copper alloy shorting ring provides low distortion, wide-range performance
- Great for line arrays and micro monitors

Esoteric Series
- Minimal power compression, huge dynamic range, incredible detail
- Sophisticated neodymium motors with distortion-reducing copper shorting rings and/or caps

Designer Series
- Handles full rated power at the lowest possible frequencies, without exceeding Xmax
- Yields a low 3 dB down point and high potential output in reasonably sized cabinets

Classic Series
- Parameters match a wide range of applications for both replacement and new projects
- Very durable, unsurpassed value, great sonic quality

Reference Series
- One of the lowest distortion, highest resolution driver series available anywhere
- Esoteric performance combined with a surprisingly realistic price

Point Source Series
- High sensitivity/minimal distortion—an ideal match for lower powered amplifiers
- Parasitic HF cone and carefully engineered phase plug extend on- and off-axis response
**Ultimax Series**
- The apex of subwoofer design—purpose-built to move air and create clean, articulate bass
- Copper shorting rings and dual spiders limit distortion and increase linearity

**DVC Series**
- Dual voice coils present expanded connection options compared to single coils
- Outstanding subwoofer performance in home and mobile audio applications

**Reference Series**
- Extensively vented motor eliminates compression and allows quiet excursion
- Extra-thick black anodized aluminum cone for maximum rigidity
- Triple shorting ring motor for ultra-low distortion

**Low Profile Series**
- Innovative low profile design
- Rigid flat honeycomb fiberglass cone maintains its integrity under severe conditions

**HIGH PERFORMANCE LOUDSPEAKER SOLUTIONS**
Subwoofers
**DAYTON AUDIO ENGINEERED AMPLIFIERS**

**Mini and Plate Amplifiers**

**DTA-1 Class T Digital AC/DC Amplifier**
- Versatile, palm-sized Class-T 30 watt audiophile amplifier
- 88% amp efficiency reduces power requirements

**DTA-120 Class T Digital Mini Amplifier**
- Delivers pristine, accurate amplification to your preferred loudspeakers and headphones
- Effortless 60 watts RMS output into stereo 4 ohm loads

**DA30 2 x 15W Class D Bridgeable Mini Amplifier**
- Clear, articulate hi-fi sound quality, but built for the tough requirements of commercial duty
- For classrooms, boardrooms, bedrooms, and more

**WF60PA 60W Class D Plate Amplifier with Wi-Fi and Bluetooth**
- Convenient wireless remote allows full control
- Multiple input options including Wi-Fi, optical, RCA, 3.5 mm, and Bluetooth 4.0 with aptX®

**SPA500 and SPA1000 Subwoofer Plate Amplifiers**
- Powerful Class AB output stage for clean, controlled low-distortion output
- Patented tracking downconverter power supply for high efficiency and great dynamics

**Compact Subwoofer Plate Amplifiers**
- Power output from 25 to 250 watts RMS @ 4 ohms for smaller subwoofer drivers
- Perfect fit for computer workstations, dorm rooms, and other typical home theaters

**SPA2400DSP and SPA1200DSP Subwoofer Plate Amplifiers**
- Built-in Auto Room EQ function and microphone for room calibration
- iPhone Wi-Fi remote control app for convenient control via smart device
APA100 Stereo Amplifier
- Selectable A/B outputs, auto-on, and auto-source switching
- Pristine, dynamic Class AB output topology

APA150 2-Channel Amplifier
- High current, discrete output design runs cool and quiet—and sounds great
- Compact and versatile...even doubles as a subwoofer amp

70V Mixer-Amplifiers
- No-nonsense design for easy installation and use
- 70V/100V or 4 - 16 ohm output

MA1240a and MA1260 Multi-Zone 12-Channel Amplifiers
- Independent and bus inputs enable unparalleled flexibility for whole-house audio
- Bridgeable channel outputs provide additional power when needed

SA1000 Subwoofer Amplifier
- The raw power and efficiency of a pro-sound amp, but with far more refinement
- Low frequency parametric EQ boosts or cuts for a custom-tailored response

SA230 Subwoofer Amplifier
- Mono Class AB output stage for solid, well defined output
- Variable gain, bass boost, crossover frequency, and phase adjustment guarantee perfect integration

DAX66 Distributed Whole House Audio System
- System controlled by IR remote, keypad, or automation system via RS232 interface
- Six source inputs, six zone outputs; expandable to 18 zones
Dayton Audio OmniMic V2 Precision Measurement System

- Updated software and improved hardware
- Compact, portable, accurate, affordable
- Intuitive software—open the box and start testing in minutes
- Perfect for setting up home theater systems
- Optimized for use with netbooks and laptops

Years ago, speaker builders had to rely on speaker design models (essentially operating in the dark) or spend thousands of dollars on expensive, temperamental equipment just to get a glimpse at how their speakers were performing. Not any longer! At nearly 1/10th the price of its closest competitor, you can’t afford not to buy the Dayton Audio OmniMic V2 precision measurement system!

Measurements:

- SPL meter with A, B, C, or no weighting
- Spectrum analyzer, FFT, or RTA
- Frequency response with phase and impulse response
- Oscilloscope function to view complex waveforms
- Harmonic distortion: 2nd, 3rd, 4th, 5th harmonics plus THD
- RT60 reverbication: measures sound reflection
- Bass decay function identifies room modes and helps determine proper subwoofer placement
- Polar Plotting, in flat or 3D radar format
- Wavelet Spectrogram (color) to the Waterfall group

Dayton Audio’s OmniMic V2 is the must-have acoustic measurement system for audio system integrators, acoustic engineers, and residential A/V installers, and has the power to turn a do-it-yourself speaker builder into a speaker designer.
**UMM-6 USB Measurement Microphone**
- Precision condenser microphone for critical measurement and recording applications
- Matches the level of precision previously offered only by expensive measurement equipment

**EMM-6 Electret Measurement Microphone**
- Designed to excel at audio measurement and critical recording applications
- Perfect for use with room acoustic analyzers and audio measurement systems

**iMM-6 Smart Phone & Tablet Calibrated Measurement Microphone**
- Turns your iPad, iPhone, or Android device into a laboratory grade audio measurement tool
- Precision condenser microphone for use via 3.5 mm TRRS headset jack

**DATS V2 SYSTEM**
- Highly accurate measurement of loudspeaker impedance and parameters
- Easy-to-use, fully-featured analysis software with intuitive interface
PREMIUM LOUDSPEAKER COMPONENTS
Crossovers, Amplifier Boards, Inductors, Capacitors, and Resistors

KAB Bluetooth Amplifier Boards
- Integrated Bluetooth and wiring harnesses make installation simple
- Extreme versatility allows for endless applications

Speaker Crossovers
- Designed using a second order (12dB) Linkwitz-Riley alignment
- Unique jumper on low pass section allows choice of 4 or 8 ohm woofer loads

Capacitors
- Precision 1% Metalized Polypropylene
  - Tightest capacitor tolerance available
  - Extra-thick tinned copper leads
- Metalized Polypropylene
  - High current capacity
  - Specifically designed for crossovers
- Film & Foil Polypropylene
  - Ideal for bypass use
  - Superior sonic detail

Perfect layer Air Core, Foil Air Core, and Iron Core Inductor Crossover Coils
- High purity copper
- Low DRC
- ±3% tolerance

Resistors
- 10W Precision Audio-Grade
- Precision 2% tolerance
- Gold plated leads
Stock Blank and Custom Real Wood Speaker Cabinets
- Solid construction, furniture-quality cabinets
- Stylish, curved-sided to complement any decor
- Available in high-gloss black lacquer finish or cherry real wood veneer

Binding Posts
Premium Fully Insulated
- Fully-insulated 5 way binding post
- Tightening knob’s free-spinning metal ferrule

Heavy Duty
- Audiophile quality
- Ideal for high power applications

Premium
- High quality 5-way binding posts
- Tightening knob’s free-spinning metal ferrule

Binding Post Plates
- Pre-installed gasket and beveled outside edge allow easy installation
- Available with silver or black anodized finishes

Speaker Spikes
- Dramatically improves clarity, stereo imaging, and bass response
- Two-piece tip design for level adjustment