

# 40 OUTDOOR SYSTEMS

TO DELIVER VALUE & PERFORMANCE

Companies serving up rapidly improving outdoor audio and video categories are engineering solutions to rival traditional indoor A/V components. Here are myriad options to consider for your next outdoor install.

BY ROBERT ARCHER

**IT WASN'T ALL THAT LONG AGO** that outdoor A/V was looked at as an add-on option to whole-house entertainment systems. Back then outdoor A/V installations were often simple pairs of under-eave speakers on a patio or some rock speakers scattered throughout a property.

The outdoor A/V market has evolved a great deal in a short time period, however, and many solutions now rival indoor counterparts.

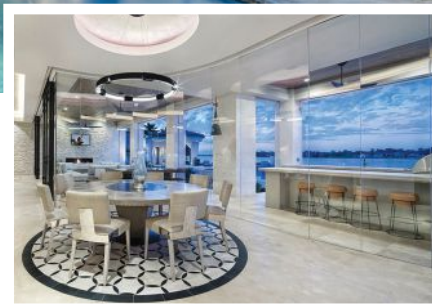
Sophisticated, elegant and powerful, today's outdoor A/V systems are capable of delivering state-of-the-art performance such as 4K Ultra HD video and object-based surround sound through myriad

technical and design innovations.

Many of these products employ technologies from the commercial market such as 70-volt/100-volt transformer-based designs for loudspeakers and robust displays that can withstand the harshest environmental elements.

Seasoned companies that operated in the outdoor A/V market a decade ago remain important, relevant category drivers. Pushing the market forward, there's also a number of traditional A/V companies that has recently entered the market, as well as an influx of commercial product manufacturers that see the opportunities within the residential space.

Here's a look at 40 products to consider for your next outdoor A/V project.



Cedar Park, Texas-based integrator Service Tech Audio Visual outfitted this modern home with state-of-the-art outdoor entertainment.



### Ambisonic Systems Model 6.5HD-AW-L

The Model 6.5HD-AW-L incorporates a 6-inch planar magnetic ribbon driver arranged in a true coaxial configuration with a 6.5-inch composite cone woofer. The passive 6.5HD-

AW-L is rated as an 8-ohm product that dips just below 6 ohms. The 89dB efficient speaker rated to produce a frequency response of 50Hz to 20kHz. Ambisonic houses the drivers along with an advanced 12dB Butterworth crossover network in an all-weather, trapezoid-shaped composite IP-65 rated enclosure. The speaker ships with a mounting bracket. [ambisonicystems.com](http://ambisonicystems.com)



### Bowers & Wilkins AM-1

Designed for locations such as patios, gardens, poolside, and commercial installations such as restaurants, the AM-1 utilizes a rust-proof grille and a rigid cabinet. B&W says its engineers designed the speaker with

an inverted driver array that includes tweeter placement below the AM-1's other drivers to ensure the listening axis and accurate phase characteristics. The speaker also includes a rear-mounted bass radiator, and a mounting bracket that allows integrators to rotate the AM-1 220 degrees. [bowers-wilkins.com](http://bowers-wilkins.com)



### Coastal Source 3-Way Ellipse Speaker

The 3-Way Ellipse Bollard and 3-Way In/Above Ground Bi-Amplified Full Range Speaker features an 8-inch subwoofer to provide full-

frequency response. Coastal Source designed the solution for use in direct-burial applications where directional sound is desired from a product featuring simplistic contemporary style. The speaker utilizes a larger driver area compared to traditional products to deliver improved efficiency, according to the company. Coastal Source says the speaker offers installation flexibility for above-ground or in-ground usage, and notes the speaker is built to be part of a complete Coastal Source Plug+Play system. [coastalsource.com](http://coastalsource.com)



### Elite Screens Yard Master Electric

The Yard Master Electric is Elite's retractable outdoor movie projector screen for patios and other outside applications.

The ETL and CE certified electric screen is raised and lowered using a radio frequency remote. Additional accessories include a magnetic weight bar bracket and a ground stake kit to keep the screen secured. Outdoor-grade materials enable the product to sustain a long operational lifespan. The unit is IP33 certified for rain/water protection. Sizes are available up to 180 inches. [elitescreens.com](http://elitescreens.com)



### Apollo Enclosures

Utilizing lightweight materials and finished in standard black with upgrade choices such as silver, metallic sandstone and white, Apollo's line of enclosures fit HD and Ultra 4K HD TVs ranging in size from 39 to 75 inches. Apollo

says its products employ anti-reflective safety glass that reduces glare. Once installed, the products deliver a lasting sealed fit to protect against rain, dust, dirt and insects, according to the company. The enclosures can withstand temperatures from -4 to 122 degrees Fahrenheit. Apollo supports installation with a full range of accessories, including heaters and weatherproof mounting brackets. [apolloenc.com](http://apolloenc.com)



### Bose Free Space 51 Environmental Speakers

Well-known for its indoor loudspeaker solutions, Bose's Free Space 51 Environmental Speaker brings the famed brand name and sound to outdoor spaces. The speaker

produces a 360-degree field of sound, and can be installed on or in the ground. Bose incorporated a 4.5-inch full-range driver, and engineered Free Space 51 speaker to withstand snow, rain, salt and temperatures ranging from -22 to 140 degrees. [bose.com](http://bose.com)



### Crestron AIR LS4T

The two-way AIR LS4T is a weatherproof speaker that dealers can mount to stakes, walls or fence posts. The speaker offers installation provisions such as 8-ohm and 70/100-volt. The speaker produces a frequency response of 90Hz to 20kHz. Externally the speaker features a dark bronze finish, and it incorporates a direct-burial pigtail cable that helps ensure a clean and reliable connection. [crestron.com](http://crestron.com)



### Episode Speakers (SnapAV) ES-500-AW-6 Loudspeaker

Implementing Episode's latest aesthetics, which include industrial design elements with soft edges, the ES-500-AW-6 blends into backyards as easily as it does restaurants. A

UV-treated, mineral-filled enclosure and aluminum grille enables the speaker to withstand temperatures from -4 degrees to 140 degrees. The speaker is available in a variety of colors and features gold-plated terminals, along with a 5-inch polypropylene cone woofer and 3/4-inch titanium dome tweeter. The 8-ohm ES-500-AW-6 is an 87dB efficient speaker that delivers a frequency response of 70Hz to 20kHz. [snapav.com](http://snapav.com)



## GoVision GoVision TV

Addressing applications in the residential and commercial markets, GoVision's GoVision TV provides integrators with a selection of outdoor, scalable video displays that can be used for just about every A/V installation

scenario. GoVision says the IP65-rated products mount to nearly any structure, and deliver more than 5,500 nits to maintain picture quality even in bright sunlight. GoVision TV incorporates speakers and all of the necessary inputs to support the integration of the displays into both commercial and residential A/V systems. [jumbotv.com](http://jumbotv.com)



## Klipsch PRO-500-T-RK

Klipsch designed its PRO-500-T-RK rock speaker to address smaller installation environments. The Indiana-based company employs a mechanically reinforced fiberglass cabinet to help the speaker deliver

years of worry-free use in all types of weather conditions. Internally the speaker utilizes a 5-inch IMG woofer, along with a Tractrix horn-loaded 1-inch aluminum dome tweeter. Klipsch says the rock speaker produces 105-degree dispersion, and offers 8-ohm and 70/100-volt compatibility. [klipsch.com](http://klipsch.com)



## Leon Speakers Boundary Series

Constructed from solid aluminum with a high-grade finish, Leon Speakers' Boundary Outdoor Series is engineered to produce high quality audio, while withstanding rain, snow, dirt, dust and other elements. Leon's Bound-

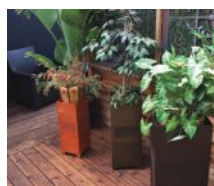
ary Series speaker utilizes 5-inch aluminum cone woofers and 1-inch aluminum dome tweeter. The Michigan-based manufacturer says the speakers include its proprietary brackets that are designed for an easy mount to trellises, eaves or railings. The Boundary line comes in standard finishes of midnight black or cloud white, while custom, color-matched finishes are also available. [leonspeakers.com](http://leonspeakers.com)



## Monitor Audio Climate Garden System

Available through American distributor Kevro, the powerful Climate Garden System includes the CLG-W12 in-ground subwoofer and Climate CLG140 satellite speakers. Monitor points out the sub and

satellites can daisy chain together via 70/100-volt technologies to cover large spaces with full-frequency sound. The products incorporate Monitor's C-CAM driver technologies, and the sub is specified to deliver low frequencies down to 30Hz, according to the company. [kevro.com](http://kevro.com); [monitoraudious.com](http://monitoraudious.com)



## James Loudspeaker Omni Planter Speakers

James' Omni Planter landscape speakers allow integrators to create additional audio zones or outdoor audio zones and traditional in-ground speaker solutions aren't practical.

Built with all-aluminum, powder-coated construction, the Omni Planters are offered in standard and custom colors to facilitate placement in a range of settings. Custom configurations are also available, including units without rear-firing satellites for corner or against a wall placement. The products' tamper-proof brackets and hardware support their installation into commercial settings. [jamesloudspeaker.com](http://jamesloudspeaker.com)



## LG 49XF2B Outdoor Display

LG's 49XF2B in its Commercial Displays line is engineered to produce high levels of brightness over years of usage. Manufactured to resist environmental elements,

including dust and humidity, the outdoor display uses a conformal coating to help protect its circuit boards. The 49XF2B provides users with a low-cost of ownership through its energy-efficient operation that uses nearly 40 percent less power than competitive products, LG says. The 16:9 aspect ratio product produces a 1920 x 1080 resolution, and it provides an operating temperature range of 32 degrees to 104 degrees in direct sunlight. [lg.com](http://lg.com)



## Leviton Architectural Edition Powered by JBL

As part of its introduction of five products in its Leviton Architectural Edition (LAE) architectural speaker line, Leviton has introduced the LAEAW, its Indoor/Outdoor All Weather

Loudspeaker. The model features gold-plated binding posts that are ideal for outdoor, utility, commercial, indoor pool, atrium, and other large space applications, the company says. The offering is part of Leviton's longstanding partnership with JBL, with the LAE series also including in-ceiling, in-wall and home theater models. [leviton.com/audio](http://leviton.com/audio)



## NEAR 7XL & 3XL DSP Amplifiers

Developed for residential applications, NEAR's 7XL and 3XL DSP

amplifiers were introduced to American dealers at CEDIA 2016, and to European dealers at ISE 2017. NEAR states the 7XL is rated to deliver 700 watts per channel of power and the 3XL is rated to produce 350 watts per channel. Both employ Class D amplification designs that are capable of driving 4- and 8-ohm loads, and they provide 100-volt capabilities. The amps also offer high- and low-pass filters with slope and alignment control, 15-band parametric equalizers, and 16 presets. [nearspeakers.com](http://nearspeakers.com)



### Niles NI-GS-6 & NI-GS-4 All-Weather Satellite Speakers

Featuring a reinforced fiberglass ABS enclosure, the weatherproof NI-GS-6 and NI-GS-4 speakers are engineered to withstand a range of environmental conditions. The

speakers incorporate nickel-plated brass fittings to ensure years of trouble-free usage, and the speakers' built-in tap switch allows integrators to run the products as traditional 8-ohm products or 70/100-volt speakers. Integrators can locate the speakers in a variety of locations that include poolside and patios. [nilesaudio.com](http://nilesaudio.com)



### Paradigm Garden Oasis

Canadian speaker company Paradigm, well-known for its range of in-room and architectural products, also offers dealers outdoor solutions. Paradigm's Garden Oasis speaker system is a scalable solution that offers 4- and 6-inch satellite speakers, and 10- and 12-inch subwoofers. Paradigm says the satellite speakers switch between 8-ohm, 70-volt and 100-volt operation, and the products incorporate the company's Reduced Edge Diffraction (RED) technology to augment sound dispersion. [paradigm.com](http://paradigm.com)

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### PlanterSpeakers The North Dakota

The North Dakota features a three-way

speaker array hidden in North American cedar wood that produces deep bass, flowing vocals and transparent highs. And, like all PlanterSpeakers, the North Dakota's sound seems to emanate from thin air. A pair of North Dakota's can cover an area of up to 1,000 square feet. The North Dakota joins an array of PlanterSpeakers "sealed-to-the-weather" products featuring superior drainage and housed in sustainable teak, reclaimed wood, impermeable AZEK, and industrial-grade polymer resin. The speaker is 89dB efficient and offers frequency response of 40Hz to 18kHz, according to the company. [planterspeakers.com](http://planterspeakers.com)



### Revel M80XC Outdoor Loudspeaker

Revel by Harman offers a full selection of custom installation products that includes outdoor audio. The M80XC from its outdoor

family of solutions is a two-way speaker that employs an 8-inch aluminum-cone woofer, along with a 1-inch aluminum dome tweeter and Acoustic Lens waveguide. The M80XC incorporates 70-volt/100-volt with 8-ohm bypass options, and the speaker carries an IP56 weather protection rating. The speaker features the company's InvisBall mounting system, and it is offered in black or white. [revelspeakers.com](http://revelspeakers.com)



### Origin Acoustics Terrestrial Line Array Speakers

Working with Bang & Olufsen, Origin Acoustics' Terrestrial Line Array system is designed for outdoor installations and installers can implement the product line with as many as six modules.

An entry-level configuration features a base unit with two modules, and each module contains a

5-inch full-range driver with a VariBlade lens located in front of the cone to increase high-frequency dispersion. Utilizing a 70-volt framework, the array mounts on spikes. It attaches to flat surfaces, and Origin offers optional wall-mount hardware as well. [originacoustics.com](http://originacoustics.com)



### Peerless-AV Xtreme Outdoor Soundbar

The newly updated, versatile SPK-080 outdoor soundbar from Peerless-AV is an active loudspeaker that incorporates 200 watts of power. The active soundbar incorporates 200 watts of total system power. The speaker has a rated frequency response of 50Hz to 20kHz. In addition to its audio capabilities, the SPK-080 carries an IP65 rating for its enclosure, and it comes with the company's universal mounting hardware. Other features include built-in Bluetooth and a 12-button IR remote control. [peerless-av.com](http://peerless-av.com)



### PSB Speakers CS500 Speaker

Part of the Lenbrook family of brands, which also includes NAD and Bluesound, PSB is better known as a value-minded manufacturer of home theater and stereo speakers

but the company's CS500 addresses outdoor installations through its weatherproof design. The speaker features five-way binding posts, along with rubber covers for the terminals. For installation flexibility, it rotates 90 degrees in one plane and 170 degrees in the second plane, PSB notes. The 8-ohm, two-way CS500 incorporates a 1-inch tweeter, and a 6.5-inch woofer. PSB offers the CS500 in black or white. [psbspeakers.com](http://psbspeakers.com)



### Rockustics Escape Landscape System

Designed to provide discreet, directional audio in an attractive enclosure, multiple Escape Periscope 4 and/or Periscope 6 speakers from MSE Audio's Rockustics can be installed in a

residential or commercial setting. The series includes 4- and 6- spike- or pole-mounted speakers and in-ground subwoofers with 8-, 10- or 12-drivers. Installers can select one or more Subscape subwoofers (Subscape 8, Subscape 10 or Subscape 12) to complement the Periscope units. All models have 70-volt transformers with multiple tap settings; they may also be operated in an 8-ohm direct mode. [rockustics.com](http://rockustics.com); [mseaudio.com](http://mseaudio.com)

## SPECIAL OUTDOOR SECTION PRODUCTS



### Russound XZone 70V Streaming Audio Amplifier

Russound was one of the first companies to identify the potential of 70 volt for the consumer market. The XZone70V Streaming Audio Amplifier streams content from local networks, cloud services, and it incorporates other features such as Apple AirPlay. The manufacturer says dealers will find the XZone70V familiar through its similarity to the residential XStream products, but one major differentiating feature is the inclusion of SiriusXM for Business. Russound says this streaming option provides commercial clients with a cost-effective, legally licensed background music solution. [russound.com](http://russound.com)



### Sonance Landscape Series

Supporting Sonance's leading market position in outdoor audio is the company's Landscape Series, which features low-frequency extension from the LS10SUB in-ground subwoofer. The sub is part of a family of scalable solutions for building complete outdoor systems. The LS10SUB has a 10-inch woofer and 100-watt transformer. Complementing the sub is the LS47SAT two-way loudspeaker, designed for placement under plants and in trees. The LS47SAT features a UV-resistant enclosure along with a 25-watt transformer, and it is compatible with 70-volt systems. [sonance.com](http://sonance.com)



### Soundsphere Q6

The Q6 from MSE Audio's Soundsphere brand is the company's most compact weatherproof loudspeaker, offering omnidirectional full-range music and clear voice announcements for indoor and outdoor applications. The upward-firing speaker includes a coaxial 6½-inch woofer and ½-inch dome tweeter. The Q6, as with other Soundsphere speakers, utilizes a proprietary diffusion/reflection system for a hemispherical coverage pattern, allowing the integrator to use fewer speakers than conventional designs in a given installation. The Q6 comes fully assembled and ready to mount using a mounting bracket or hanging kit. [soundsphere.com](http://soundsphere.com)



### SpeakerCraft Landscape Audio Series

SpeakerCraft's Landscape Audio Series includes satellite speakers, in-ground subwoofers and accessories. The SC-OG-6 6-inch and SC-OG-4 4-inch 2-way All-Weather Outdoor Satellite Speakers feature weatherproof designs. The Satellites operate as 8-ohm speakers and have adjustable 70/100-volt tap switches, enabling integrators to set the volume of each speaker based on specific installs. The speakers' 110-degree dispersion ensures wide coverage. The SC-BT-12 12-inch and SC-BT-10 10-inch Boom Tomb In-Ground Subwoofers employ waterproof HDPE enclosures. [speakercraft.com](http://speakercraft.com)



### Séura Ultra Bright Outdoor TVs

Available in a choice of sizes ranging from 42 to 84 inches, the Ultra Bright Outdoor TV line of products from Séura produce brightness levels as high as 700 nits to combat high levels of sunlight. The outdoor televisions' LumiOptics anti-glare screens also help the TVs to maintain quality images in bright sunlight, and Séura points out that dealers can install the TVs in locations that range from decks, patios and hot tubs, to commercial environments such as bars and restaurants. The Ultra Bright Outdoor TVs are rated to withstand temperature extremes of -30 degrees to 122 degrees, and the products triple-seal construction protects the outdoor TVs from all types of environmental elements, as well as dust and dirt. [seura.com](http://seura.com)



### Soundcast VG10 Play-Fi Bluetooth Speaker

Part of the company's VGX Series, the VG10 is the world's first portable, outdoor Bluetooth speaker with DTS Play-Fi technology. Integrators can pair the speaker with over 30 different interoperable speakers, soundbars and receivers in the Play-Fi ecosystem to deliver high-quality lossless audio in any listening environment. Featuring long lasting battery life and weatherproofing, the VG10 enables listeners to utilize DTS Play-Fi technology in the outdoors for the first time. [gosoundcast.com](http://gosoundcast.com)



### SoundTube Weather Resistant Surface-Mount Speakers

SoundTube's SM52-EZ, SM52-EZ-WX, SM82-EZ-II and SM82-EZ-II-W speakers incorporate polypropylene woofers; 5.25-inch in the SM52-EZ and SM-52-EZ-WZ models, and 8-inch woofers in the SM82-EZ-II and SM82-EZ-II-WX. All four include soft-dome tweeters, and SoundTube's BroadBeam Ring technology. The speakers carry IP65 ratings, which means the speakers are dust tight and capable of withstanding water jets pointing directly at them. More specifically, the WX models are IP65 rated out of the box, and the standard models meet IP65 criteria when the port plugs are installed. The speakers offer 70/100-volt and 8-ohm bypass. [soundtube.com](http://soundtube.com)



### Stealth Acoustics StingRay Outdoor Speakers

StingRay Outdoor Speakers are IP68 rated for high environmental durability. The speakers produce a hemispherical radiation pattern to cover a wide listening area, according to the company, as well as extended bass response. The line includes the StingRay 8, the small-format StingRay 6, and the StingRay 430 above-ground subwoofer. Stealth adds the speakers offer customized finish options to help them blend into a variety of environments. [stealthacoustics.com](http://stealthacoustics.com)



### Stewart Filmscreen Oasis

The weather-resistant Oasis is an electronically controlled video screen. Based on the company's Luxus Model A ElectriScreen, the Oasis is a completely customizable

product. Integrators can order specific sizes, aspect ratios, as well as a choice of black or white screen housings. Stewart Filmscreen emphasizes that integrators can specify any of its front- or rear-projection screen materials to create A/V system installations that meet a range of environments. [stewartfilmscreen.com](http://stewartfilmscreen.com)



### Terra AC Five Series

Terra's AC Five Series — AC Five 1, AC Five 2 and AC Five 3 speakers — is suitable for outdoor 70-volt projects. Using optional

hardware, dealers can install modular AC Five-based soundbars for outdoor A/V systems, and mini line arrays for more complex jobs. The Five 1 employs a ¾-inch tweeter and a 5.25-inch midrange driver; the Five 2 has a 1.1-inch titanium dome tweeter and a 5.25-inch midrange driver; and the Five 3 utilizes a 1.1-inch titanium dome tweeter and a pair of 5.25-inch midrange drivers. [terraspeakers.com](http://terraspeakers.com)



### Triad Garden Array Loudspeakers

After being acquired by Control4, the company debuted the Triad Garden Array family of all-weather,

landscape speakers that includes a satellite speaker (GA4 SAT) and subwoofer (GA10 SUB) designed to be placed throughout flower beds or around the yard. Each GA4 SAT includes a proprietary 4.5-inch Ultra-Broad Dispersion (UBD) driver. Through a 150-degree field of coverage, the GA4 SAT delivers a more even sound, minimizing areas where the music is too soft or too loud. Powered by the Triad Rack-Amp 300 dedicated amplifier, the GA10's high-performance 10-inch driver provides full, deep bass. [control4.com](http://control4.com); [triadspeakers.com](http://triadspeakers.com)



### Vanco Pulse Audio PA360 Outdoor Loudspeaker

Vanco's Pulse Audio Brand has launched into the market with its first product — the PA360 Outdoor Loudspeaker — providing integrators with a self-contained audio solution that produces a 360-degree soundfield.

The PA360 incorporates a rechargeable battery, low-profile wheels and a carry handle to allow homeowners to move the speaker to wherever it is most advantageous for sound reproduction. Supporting its audio capabilities, the PA360 employs a 2.1 speaker array that includes an 8-inch woofer. The PA360 provides up to 150 feet of Bluetooth range. [pulseaudio1.com](http://pulseaudio1.com)



### SunBriteTV Pro Series

Offering HD models in sizes ranging from 32 inches to 55 inches, as well as an 84-inch 4K model, SunBriteTV's Pro Series covers a range of applications. The series is available in white, silver and black finishes, and designed

for placement just about anywhere outdoors. SunBriteTV says the products incorporate display technologies that allow integrators to place them in fully sunlit areas without fear of picture degradation. The products employ tempered anti-reflective glass shields and active temperature controls to help the products maintain high levels of reliability in a variety of environmental conditions. [snapav.com](http://snapav.com); [sunbritev.com](http://sunbritev.com)



### The DaVinci Group EN5

The EN-5T outdoor loudspeaker diversifies DaVinci's selection of outdoor audio products by providing dealers with a speaker that includes 70-volt/100-volt or 8-ohm operational modes.

Other features built into the speaker include protected connections in water-tight housings, and a two-way acoustic design that features a 5-inch polypropylene woofer and 1-inch PEI tweeter. The DaVinci Group rates the speaker's sensitivity at 88dB, and says it delivers a frequency response of 83Hz to 20kHz. [tdgaudio.com](http://tdgaudio.com)



### TruAudio Acoustiscape Speakers

Utah-based TruAudio's Acoustiscape speakers are engineered to streamline the selection of outdoor speakers by incorporating switches between 8-ohm operation and 70-volt. TruAudio states the control

options to switch from 70-volt to 8-ohm via a switch is located on the rear of the speaker. Installers can set the speaker up to operate in its 8-ohm mode to cover small spaces. In larger spaces the 70-volt setting provides the ability to run a daisy-chain configuration to cover a wider area without incurring significantly more expense by stepping up into 70-volt products. [truaudio.com](http://truaudio.com)



### WAVE Elura 6.5W

The Elura 6.5 outdoor speaker brings the same level of quality that WAVE has developed for its indoor loudspeakers in an outdoor solution, according to the company.

Part of the company's Black Label series, WAVE says that Elura speakers are engineered to outperform speakers that cost much more money. The Elura 6.5 incorporates a 6.5-inch polycone woofer, along with a 1-inch all-weather aluminum dome tweeter. WAVE adds the Elura 6.5 outdoor loudspeaker is available in black or white. [wave-electronics.com](http://wave-electronics.com) **CE Pro**