

## Specifications

### IG4M Satellite Speaker

- **Driver Complement:**  
One 4 1/2" metal-alloy diaphragm woofer, MLS voice coil guidance, UV and chemical resistant SupraPolymer™ surround  
One 1.1" Metal alloy diaphragm tweeter, Ferrofluid damping UV and chemical resistant SupraPolymer™ surround, Neodymium magnet
- **Frequency Response:** 70Hz to 19kHz, +/-3dB
- **Sensitivity: (1W/1m):** 86dB
- **Dispersion:** minimum 120 degrees, horizontal & vertical
- **Power Requirements:** 70 Volts with selectable 64, 32, 16 Watts power output; 16-Ohm bypass up to 75 Watts average
- **Dimensions:** 7.75" (19.7cm) diameter at base, 19.5" (49.5cm) H stake-mounted, 10"-12" (25.4-30.5cm) H buried
- **Product Weight (with ground stake):** 8lb. / 3.63kg
- **Input Terminations:** two waterproof Perfect Fit polarity-keyed plug-in connectors (IP67 Rating) X 2
- **Environmental:** engineered to meet or exceed Mil-Std-810 (humidity, salt air, heat, cold, and immersion); IEC IP55

### IGS100M Subwoofer

- **Speaker Complement:**  
10" metal-alloy diaphragm UDIO woofer, MLS voice coil guidance, dual 16-ohm voice coils, UV and chemical-resistant SupraPolymer™ surround
- **Frequency Response:** 35Hz to 100Hz, +/-3dB
- **Sensitivity: (1W/1m):** 92dB
- **Impedance:** Dual 8-ohm voice coils, 4-ohms when paralleled
- **Dispersion:** 360 degrees
- **Power Requirements (@ 8-ohms):** up to 300 Watts average
- **Dimensions:** 19.4" (49.3cm) diameter at base, 17.4" (44.2cm) H
- **Product Weight:** 36lb. / 16kg
- **Input Terminations:** 4-conductor burial grade cable
- **Environmental:** engineered to meet or exceed Mil-Std-810 (humidity, salt air, heat, cold, and immersion); IEC IP55

### 3XL DSP Power Amplifier

- **Dynamic Power:** (6dB Crest Factor): 2 x 350W
- **THD @ Rated power 4 ohms (1kHz):** 0.02% (1W), 0.05% (60W), 0.08% (100W)
- **S/N Ratio (20K BW):** 104dB ref. 70V, full power
- **Frequency Response:** 20Hz – 20kHz, -1.5dB (1W, 4 ohm to 8 ohm load)
- **Damping Factor:** >120 (4 ohms/1kHz input signal)
- **Input power operating range:** 100-240 VAC (50Hz/60Hz)
- **Protections:** clip, over-current, over/under voltage, output DC and over-temperature
- **Analog input:** 2 x XLR electronically balanced, 2 x RCA unbalanced
- **Analog output:** 2 x amplifier BTL, 1 x XLR electronically balanced, 1 x RCA unbalanced
- **Dimensions:** 20-1/2" W x 20-1/2" D x 5-1/2" H (52cm x 52cm x 14cm) - 2RU
- **Weight, Net/Shipping:** 17.7 lb. (8.03 Kg) / 22.5 lb. (10 Kg)



NEARSCAPES™ IG44.1

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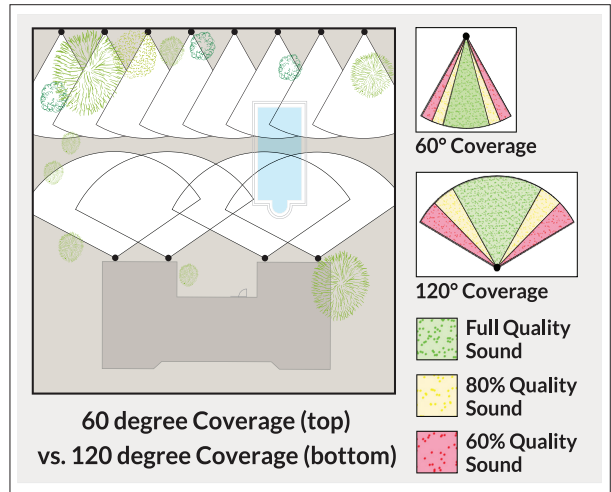
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The new **NEARSCAPES™ IG44.1** series systems are great ways to deliver unobtrusive, super high performance sound into outdoor living spaces. These bollard style “satellite/subwoofer” systems boast high clarity at any volume, deep articulate bass, and ultra-low distortion. The NEARSCAPES IG44.1 is a speaker-only package, while the IG44.1DSP adds the beefy 3XL 2-channel power amplifier with built-in digital signal processing (DSP).



The 120-degree wide dispersion of the IG4M satellites means fewer speakers are needed to cover an area with high clarity sound than using competing systems with 60-degree dispersion; every listener in the coverage area will hear full performance sound without overly loud “hot” and low-fidelity “dead” zones. The NEARSCAPES IG systems cover 3000 square feet (280m<sup>2</sup>) with crowd-pleasing music.

### Installation Versatility

The IG4M satellites can be either on-ground mounted with the supplied ground stakes or partially buried for lower visibility and greater security. The IGS100M in-ground subwoofer can be employed free-standing or in-ground for minimum visibility and maximum bass performance.

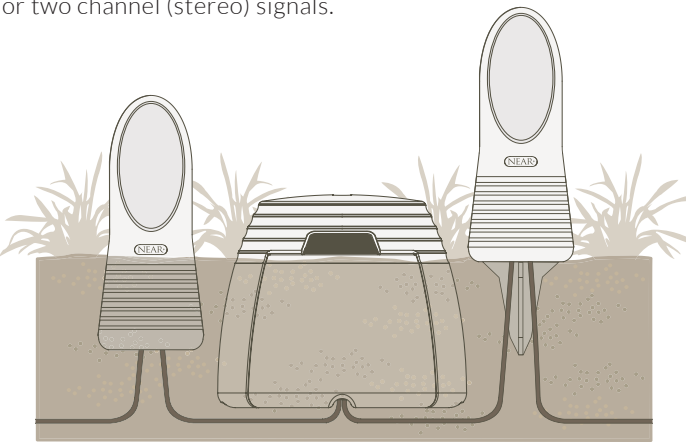
### Scalability

For areas that are greater than 3000 square feet or where exceptionally high volume levels are required, NEARSCAPES systems can be scaled up by adding more IG4M satellites and IGS100 subwoofers. The 3XL amplifier in the IG44.1DSP package is capable of powering up to eight IG4 satellites (operating in 70V mode) and two IGS100M subwoofers to cover a 6000 square feet (5600m<sup>2</sup>) area with awesome sound

### Smart Wiring

Every NEARSCAPES component provides maximum system design and wiring flexibility. Integrators can choose to power the IG4M satellite speakers with a low impedance amplifier or a 70-Volt line. Selection of 70V power levels or low impedance operation is made via a rotary switch located under a protective cover. When used in low impedance mode, the satellites’ 16-ohm load allows up to four IG4Ms to be parallel wired and safely driven by typical AV receivers.

The IGS100M subwoofer, an updated version of the NEAR IGS10M, features dual voice coil windings that can be wired with either one or two channel (stereo) signals.



On the underside of the NEAR IG4M satellite enclosure are two IP-67 rated “Perfect Fit” connectors that allow convenient daisy chain wiring of multiple speakers on a single line. The supplied connector socket and plugs are keyed to prevent wiring polarity errors while their double O-ring design prevents ingress of water and dirt for long term signal integrity. Installing the system is fast, efficient and super easy. The system includes one IE1 direct burial junction box and four 20-foot direct burial speaker cables pre-terminated with “Perfect Fit” connectors. The supplied accessories greatly simplify wiring hookup and ensure long-term signal connection integrity.



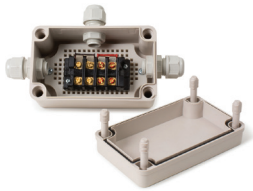
*Double connectors make daisy chain wiring easy*

Advanced NEAR audio technologies (such as ultra low mass Metal Diaphragm Technology (MDT™) cones, Magnetic Liquid Suspension (MLS™) “spiderless” voice coil guidance, and low resonance enclosures) provide an exceptional level of performance unmatched by competitive products in its class.

### What You Get

#### NEARSCAPES™ IG44.1

- Four **IG4M** bollard-style satellite speakers
- Four color-matched ground stakes
- One **IGS100M** subwoofer
- One **IE1** direct burial junction box for easy wiring
- Four 20-ft burial grade speaker wires pre-terminated with IP-67 screw-in connectors for fast, secure wiring



*The supplied IE1 direct burial junction box makes wiring simple and secure*

#### NEARSCAPES™ IG44.1DSP

- One **NEAR 3XL** 350 WPC 2-channel power amplifier with digital signal processing
- Four **IG4M** bollard-style satellite speakers
- Four color-matched ground stakes
- One **IGS100M** subwoofer
- One **IE1** direct burial junction box for easy wiring
- Four 20-ft burial grade speaker wires pre-terminated with IP-67 screw-in connectors for fast, secure wiring

### Feature Highlights

#### IG4M Satellite Speaker

- In-ground or on-ground stake mounting (ground stakes supplied)
- Purpose-built to be extremely durable in all weather conditions
- Built-in multi-tap 70V transformer with rotary switch selections for 64W, 32W, and 16W, with 16-Ohm bypass
- Anodized metal alloy speaker cones (MDT) that maintain specified performance over a broad range of temperatures (-20 to +160° F; -29 - +71° C) for consistent sound quality in every season
- Durable powder-coated aluminum grille
- Rectangular grille perforations to prevent clogging
- MLS spiderless motor that uses specially developed Ferrofluid to center the voice coil and eliminate spider-generated distortion
- Dual-layer voice coil with inside and outside windings for ultra-low distortion
- Water and dust-proof (IP67) input connectors that eliminate long-term connection problems
- Dual speaker wire connectors that allow easy daisy chain wiring
- Acoustically inert color-through ¼-inch thick polyethylene enclosure that stands tough even under the most extreme conditions and hides nicks and scratches
- Advanced SupraPolymer™ cone surround that resist UV rays, chlorine, fertilizer, and salt spray

#### IGS100M Subwoofer

- In-ground or above-ground mounting
- Purpose-built to be extremely durable in all weather conditions
- Anodized metal alloy speaker cones (MDT) that maintain specified performance over a broad range of temperatures (-20 to +160° F; -29 - +71° C) for consistent sound quality in every season
- Upside down/inside out (UDIO) driver that employs voice coils wound both inside and outside the former for extremely accurate linearity, even at extreme volume levels
- MLS spiderless motor that uses specially developed Ferrofluid to center the voice coil and to eliminate distortion generated by spiders
- Dual 8-ohm voice coil design allows either stereo or mono signal inputs
- Color-through polyethylene enclosure that is acoustically inert and stands tough even under the most extreme conditions
- Advanced SupraPolymer™ surrounds that resist UV rays, chlorine, fertilizer, and salt spray

#### 3XL DSP Power Amplifier (with IG44.1 DSP only)

- Class D amplifier output stages with up to 90% efficiency
- Power-saving Standby mode
- Amplifier recovers from Standby mode when input signal is sensed
- Self-limiting and shutdown protection circuitry including clip, over-current, over/under voltage, output DC and over-temperature
- Line output drives additional power amplifier/other line level devices
- 24 bit high-end analog to digital converters coupled with 48kHz/24-bit DSP sample rate
- NEAR custom DSP engine: - 5-band parametric equalization per input channel – 7-band parametric equalization per output channel
- Crossover filters from 6dB/octave to 48dB/octave with choice of Butterworth, Bessel, Linkwitz-Riley alignments
- Adjustable RMS compressor
- Variable peak limiter
- Adjustable delay time up to 960ms for every input & output channel
- Ethernet interface connection for system setup, monitoring, and control via intuitive GUI for the integrator/user
- 16 pre-sets for typical NEAR systems, including one optimized for this speaker package
- Front panel LCD display and multifunction knob for local access and configuration

#### NEARSCAPES™ IG44.1DSP

