



# 215RW™

## 15" TWO-WAY HIGH OUTPUT SOUND REINFORCEMENT SYSTEM

The 215RW™ is a 2 x 15" two way high output sound reinforcement system. The system utilizes a rectangular enclosure geometry. This geometry provides increased low frequency response due to its larger internal volume, as compared to a conventional trapezoidal enclosure. This design is intended for applications when maximum low frequency output is required but the enclosure will be "single hung". For additional information see the [www.ONESYSTEMS.com](http://www.ONESYSTEMS.com) web site for a discussion regarding the advantages of rectangular enclosures versus trapezoidal geometries.

The 215RW may be used for either single hang installations or for general portable applications.

The 215RW may be used in outdoor installations as well as indoor applications where high intelligibility and accuracy are required. Like all ONE SYSTEMS™ products, the 215RW was designed to not only offer excellent full range fidelity but superior vocal reproduction and intelligibility as well. The system consists of double 15 inch 15I/O woofers and an ET driver on a fully rotatable high frequency horn.

The ONE SYSTEMS 215RW features an 18mm birch rectangular plywood enclosure that utilizes stainless steel internal structural supports to enable a variety of suspension points.

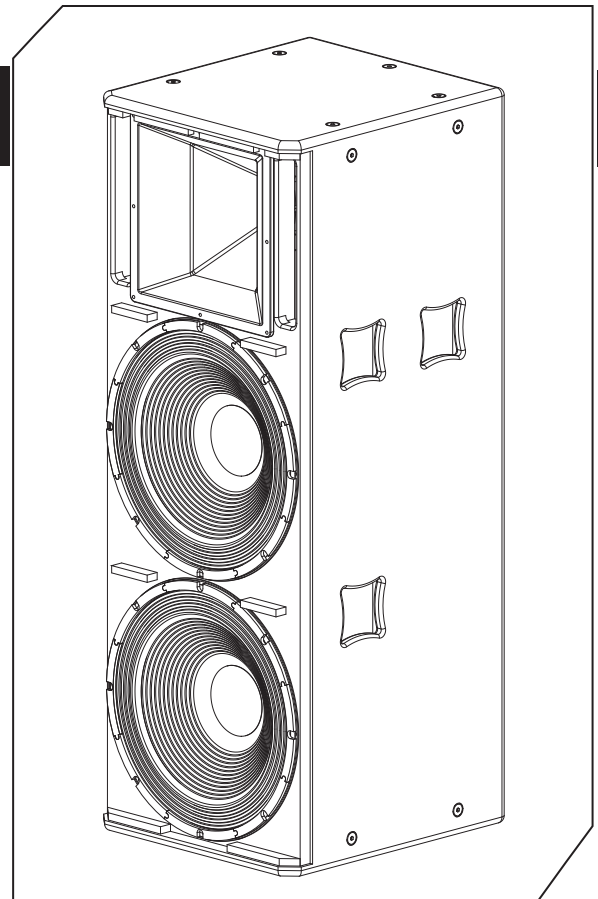
The grill is a 3 layer "rain shield" design that will minimize direct rain contact with the systems transducers. All internal and external metal hardware, as well as the grill, are stainless steel. The enclosure and grill design are rated to IEC 529 IP45 (solid object penetration to 1 mm (0.04 inches) and water jets from any direction). The enclosures and components are also rated to Mil Spec 810

The input section consists of both 4 pin Neutrik® Speakons® as well as a stainless steel hardware barrier strip. A weather cover is provided with an integral gland nut connector for outdoor applications. In the outdoor configuration connections are made thru the 4 position barrier strip. The input is user switchable for either full range or bi amp operation. The switch is located on the input plate and is isolated from direct weather by the weather cover.

The gland nut is weather proof and is rated NEMA 6P (IP68). The connector will accommodate cable outside diameters from 7mm to 12mm (0.236" to 0.472"). The maximum diameter will accommodate most 2 conductor AWG 12 cable assemblies.

The basic design utilizes a patent pending high frequency driver and horn combination. A fully rotatable high frequency horn is standard in this enclosure. The ET-60/40 is a 60 degree horizontal by 40 degree vertical pattern and may be rotated to also provide a 40 degree horizontal by 60 degree vertical pattern. This unique design offers wide bandwidth polar control and low distortion.

The patent pending ET driver (full details are available at the ONE SYSTEMS web site, [www.ONESYSTEMS.com](http://www.ONESYSTEMS.com)) is a unique "equivalent throat" design that allows the radiation pattern to be controlled by the phase plug summation plane rather than the conventional "exit diameter" at the end of the driver structure. This feature provides extended high frequency dispersion. The ET driver has a large format titanium diaphragm and a close spaced circumferential ring phase plug to insure extended high frequency bandwidth.



### FEATURES AND BENEFITS

- Weather Resistant 2 x 15" two-way system.
- Rectangular Enclosure Geometry for Optimized Bass.
- Road Handles for portable use
- Optimized for high intelligibility and vocal articulation.
- ET Fully rotatable high frequency horns.
- Patent Pending large format titanium/neodymium compression driver.
- Patent Pending large voice coil low frequency transducer.
- Multiple M10 and 3/8" flying points.
- Gland Nut and Speakon inputs  
(Weather cover for Gland nut installations).

### SPECIFICATIONS

Frequency Response:	50Hz – 16kHz
Coverage Pattern:	60H x 40V (ET60/40)
Passive Crossover Frequency:	1300 Hz
Externally Switchable Bi-amp / Full Range:	See website for System Supervisor™ Presets
Inputs:	4 position barrier or 2 each 4 pin Speakon
System Sensitivity: (1watt-1meter)	99dB
Power Handling:	1200 watts Continuous 2400 watts Program 4800 watts Peak*
Nominal Impedance:	4 ohms

\* All power handling ratings are amplifier headroom dependent



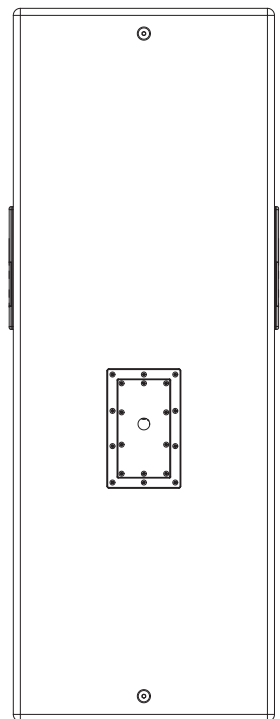
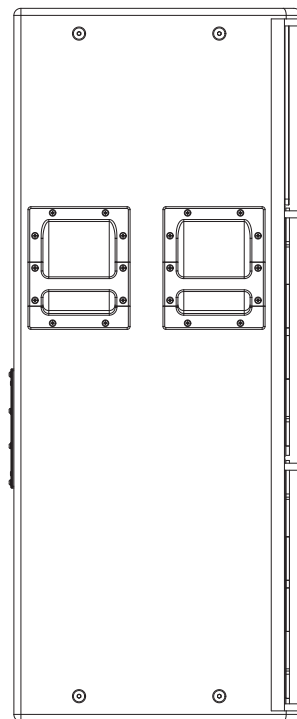
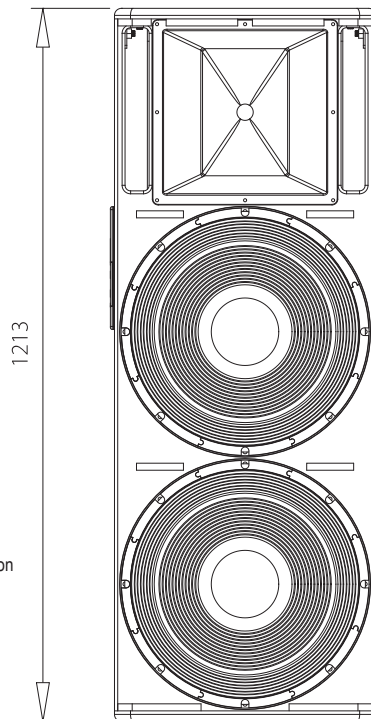
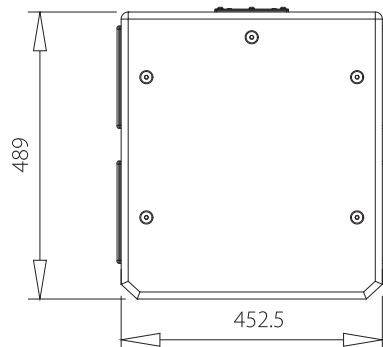
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The low frequency design is also patent pending. The double 15 inch 15I/O woofers (Inside Only) utilize a unique voice coil wind on the inside of the voice coil support structure. This design allows for both high magnetic system displacement as well as increased thermal transfer. This results in reduced power compression and higher reliability.

Because the ONE SYSTEMS 215RW is designed for permanent installation applications (as well a portable use) a variety of rigging and suspension options are available. The 215RW has 14 M10 mounting points.

An M10 forged shoulder eye bolt kit is available for all M10 suspension points



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## SYSTEM SPECIFICS

Low Frequency:	ONE SYSTEMS 15 I/O (2 each)
High Frequency:	ONE SYSTEMS ET Driver
System Tunings (Bi-amp mode):	<a href="http://www.ONESYSTEMS.com">www.ONESYSTEMS.com</a>
EASE 4.0 data	<a href="http://www.ONESYSTEMS.com">www.ONESYSTEMS.com</a>
Suspension/Mounting points:	18 each M10
Weather Performance:	IEC 529 IP 45 Mil Spec 810
Dimensions (H x W x D):	1213mm x 452.5mm x 498mm (47.75 in x 17.5 in x 19.25 in)
Net Weight:	57.1 kg (126 lb)
Optional Accessories:	M10 Forged Shoulder Eye Bolt
Additional Supporting Systems:	218Sub-W subwoofer SystemSupervisor (4 in x 8 out 24bit dsp processor) 2.4 En™ 2400 Watt Power Amp