

FD-52 Weather-resistant installation speaker



Field series is a range of all-weather installation series specifically designed for stadiums, sports arenas, and other open-air locations, where speakers are exposed to critical weather conditions throughout the year.

Field series' design allows engineers to create a tailored solution for the best coverage and clarity in a clustered distributed system.

With a comprehensive range of mounting accessories designed for permanent installation, the Field series is prepared to deliver controlled sound into the most difficult installations.

FD-52 is a coaxial positioned horn-loaded 15" and 1,5" HF driver speaker in a weather-resistant IP 55 enclosure. Available with a wide selection of HF horns that provide various coverage patterns, FD-52s are versatile for long-throw and short-distance applications alike.

Attention! Field series systems are not intended for continuous high-compression low peak-factor content, typical for nightclubs and rock venues, which increase the thermal load on the loudspeakers by 2-3 times higher than the intended level. Therefore, we do not recommend using these systems for such applications, and in case of such necessity, the input power should be reduced to 40-50% of the nominal power.



SPECIFICATIONS

Frequency response (-10dB)	86 - 18000 Hz
Max SPL ¹	141 dB
Sensitivity (1W/1m)	105 dB
Drivers	15" woofer, 1,5" HF driver in a coaxial configuration
Nominal Coverage	60° x 30° (FD-52.63) 60° x 60° (FD-52.66) 90° x 30° (FD-52.93) 90° x 60° (FD-52.96) 90° x 90° (FD-52.99)
Impedance	8 Ohm
Nominal power ²	500 W
Connectors	Barrier strip / Gland nut cover plate
Dimensions (WxHxD)	759x765x700 mm / 29,86"x30,13x27,56"
Net weight	58 kg / 127,87 lbs
Shipping weight	61 kg / 134,48 lbs
Mounting	24x M10 Mounting points
Enclosure materials	Plywood; polyurethane environmental resistant paint
Weather-protection	IP 55
Speaker protection	Steel grill, acoustically transparent backing
Color	Black (FD-52-BK) White (FD-52-WH)

¹ - pink noise, filtered according to AES 2 - 2012, crest factor 9 dB

² - based on transducer power measured according to AES 2 - 2012

CONNECTIONS

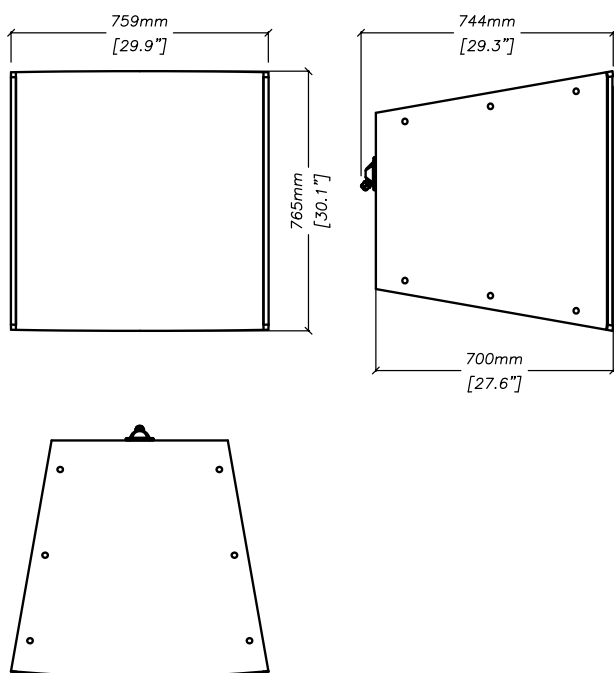
Use Hi-pass filter to prevent speaker damage and distorted sound by eliminating low non-audible frequencies in input signal.

Do not exceed input power ratings mentioned in specifications while exploiting the speaker system.

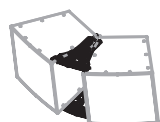
Speaker system comes with two Neutrik® Speakon heavy duty sockets for easy connection.

Signal +	1 +
Signal -	1 -
High pass filter:	
Freq, no less than	55 Hz
Order, no less than	18 dB/oct
Recommended amplifier power	500 - 1000 W on nominal impedance

DIMENSIONS



ACCESSORIES



FD-C
Connector for
FD-52, FD-S15

SAFETY INSTRUCTIONS

1. Do not pour liquids on the speaker system - this may cause driver cone destruction and an unappealing speaker appearance. Do not allow direct sunlight on the speaker cone in order to prevent premature failure. Do not install a speaker system near open flames or heating elements.
2. Do not use a speaker system with damaged speakON or speaker cable so as not to cause an electric shock hazard or fire hazard.
3. Make sure the speaker system is firmly set up on the floor, stage, or wall (where applicable).
4. While setting the speaker system up on an angled or slippery surface, make the necessary arrangements to avoid vibration-induced movement.
5. The speaker system is capable of delivering significant sound pressure levels. To avoid permanent or temporary hearing damage, prolonged exposure to sound pressure levels exceeding 90 dB should be limited.