



Shadow

All Weather Loudspeakers

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Shadow 142 L
1000W

Shadow 112 HC
600W

Shadow 114 S
700W

High quality music and voice with extreme weather conditions

SHADOW is a complete range of **very high performance full range and horn leaded loudspeakers**, designed to provide high quality music and voice reproduction in applications with extreme weather conditions resistance, ensuring a long term exposure to all kind of severe environment conditions.

High quality voice reproduction and music performance, normally associated only with indoor systems, are now available for outdoor use, with the brand **new SHADOW series of speaker cabinets**. The all Italian Style and the severe construction methods make all loudspeakers suitable for any indoor environment as well.

These all weather products family provide the system designer with the right choice to handle a wide range of applications, that span from sports fields to stadiums, theme parks, swimming pools, themed restaurants, and all environment demanding the highest quality speech and music reproduction, combined with the product durability.

FBT brand new all weather speaker range will provide long term reliability for temporary and permanent outdoor installations, as these speaker systems are manufactured applying the most severe standard expected from a classification of International Protection Rating IP 55. So they represent the fruit of many years of experience in research, development and testing, that makes FBT proud to apply the long experience as speaker manufacturer in this new systems for all weather applications.

ITALIAN STYLE

FBT's SHADOW loudspeakers are completely designed and manufactured in Italy, assuring an elegant and attractive aesthetic to a very high technical system and featuring an high degree of quality standard.

WATER STOP GRILL

The prime consideration in designing SHADOW cabinets was extreme weather resistance, also for the drivers that would be employed inside them. The exceptionally weather resistant driver is further protected by the water-stop grille: it stops the elements, solid or liquid, from getting inside the enclosure. Each protective grille is a 3 layers structure that consists of an external perforated stainless steel panel treated with a special protection, a center layer of reticulated

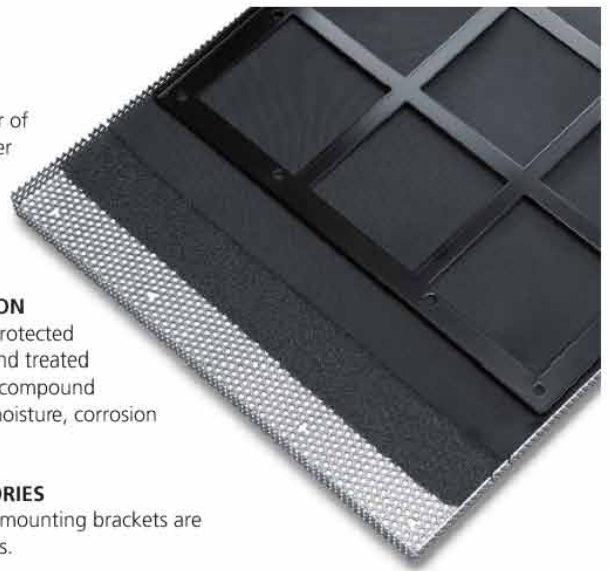
foam and an inner layer of water-repellent polyester mesh, providing maximum protection and minimal acoustic attenuation.

CIRCUITRY PROTECTION

All internal circuitry is protected with a special sealing and treated with weather proofing compound against the effects of moisture, corrosion and oxidation.

MOUNTING ACCESSORIES

Weather resistant steel mounting brackets are included with all models.



Shadow 112 CT
600W



Shadow 108 CT
450W



Shadow 105 T
120W

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ROTOMOLDED ENCLOSURES

The cabinet of these loudspeakers is a single piece rotomolded enclosure, made in polyethylene, fully UV protected equipped with a stainless steel U-Bracket for fixed installation. The curved shape helps to reduce acoustic reflections and standing waves within the enclosure, for improved LF performance, and in outside the rounded shape inhibits standing water and helps to diffract wind, reducing load on the structure.



High performance and efficiency for a wide range of professional indoor or outdoor applications

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Shadow 142L

14" Line Array Speaker System
1000W / 8ohm - 137dB SPL

- 14" woofer with a 3" coil
- HF section is a constant directivity horn loaded to 2x1.4" driver with a 2.5" coil for smooth, wide dispersion
- Sturdy molded polyethylene curved enclosure, full UV protection
- Water-stop grill with 3 layers of protection
- IP55 weather resistant
- 100° x 15° coverage
- 7.5° or 15° adjustable angle
- Standard grey finishes



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SHADOW 142L is a weatherproof full range, two way loudspeaker system offering high performance and efficiency for a wide range of professional indoor or outdoor applications. This horn loaded design with its smooth frequency response and very high efficiency product ensures excellent quality music reproduction, and clear intelligible speech. Line Array configuration make SHADOW 142L perfect for convention centers, stadiums, arena and many other indoor or outdoor installations, where long throw full range sound reproduction is required.



Shadow 112HCT - 114S

4 wires cable to select the desired power tapping

Sturdy molded polyethylene curved enclosure

Water-stop grill with 3 layers of protection

Steel U bracket and other included hardware accessories

IP55 weather resistant

Standard grey finishes

Shadow 112HC

High performance 12" coax horn loaded, medium/long throw
600W/8ohm - 132dB SPL

- 12" woofer with 2.5" coil horn loaded
- Constant directivity horn 1" HF driver with 1.7" coil
- An optional transformer model, SHADOW 112HCT, is also available with 200W/100W power tapping selection
- 90x60° coverage

Shadow 114S

14" SUBWOOFER
700W/8ohm - 129,5dB SPL

- 14" woofer with 3" coil
- An optional transformer model, SHADOW 114ST, is also available providing impedance matching to 100V lines, with 300W power



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This is a very high performance horn loaded system, to provide maximum intelligibility from the same compact enclosure, with the same dimensions of SHADOW 112CT. Extremely powerful system for voice announcements and music reproduction. SHADOW 112HC can act as both a musical entertainment loudspeaker and a voice PA loudspeaker at the same time. The wide range, smooth frequency response and high efficiency of SHADOW 112HC ensure excellent quality music reproduction and clear intelligible speech with very low distortion.

This is a compact, low frequency system for additional low end. SHADOW 114S system has the same enclosure and hardware accessories of the SHADOW 112, with additional extended low frequencies reproduction to provide a wide range of applications.



Shadow 112CT

Multipurpose High Performance 12" Coax
600W/8ohm - 128dB SPL

- 12" coaxial woofer with 2.5" coil and 1" HF driver with 1.7" coil on conical 90° horn
- 100V line transformer with selectable 200W/100W power tapping
- Sturdy molded polyethylene curved enclosure

Shadow 108CT

Multipurpose 8" Coax
450W/8ohm - 124dB SPL

- 8" coaxial woofer with 2" coil and 1" HF driver with 1.4" coil on conical 90° horn
- 100V line transformer with selectable 100W/50W power tapping
- Sturdy molded polyethylene curved enclosure
- Steel U bracket and other included hardware accessories

Shadow 105T

Multipurpose 5" Full Range
120W/8ohm - 112dB SPL

- 2 way configuration with an high power 5" cone and 1" dome for high frequencies
- 100V line transformer with selectable 50W/25W power tapping
- Die-cast aluminum wall bracket with ball/socket for multi angle adjustment capability, with a security cable

4 wires cable to select the desired power tapping

Water-stop grill with 3 layers of protection

IP55 weather resistant

Standard grey finishes

Shadow 112CT - 108CT - 105T



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It ensures excellent high fidelity music reproduction and a clear intelligible speech, with a very low distortion over medium and long distances. SHADOW 112CT is suitable for convention centers, athletic fields or stadiums, theme parks, swimming pools, cruise ships, malls, ballrooms and in general for outdoor background music and paging systems.

It provides excellent music and speech reproduction in a compact enclosure, ensuring a clear intelligibility, with very low distortion also over long distances. Its wide range, smooth frequency response and high efficiency ensure high quality music reproduction and make this system suitable for a variety of applications, such as athletic fields or arenas, amusement parks, swimming pools, cruise ships, convention centers, ballrooms and in general for outdoor background music and paging systems.

This is the most compact model in the SHADOW family. It's built to provide high quality voice and music performance in both indoor and outdoor venues. Suited for installations in kiosks, water parks, cruise ships, queue lines, ticket counters, train platform, sport venues and many other applications.



SHADOW		142L	112HC	114S	112CT	108CT	105T
Configuration	way	2	2	2	2	2	2
Recommended amplifier (Biamp LF/HF)	W rms	1000	600	700	600	450	120
System Long term power (Biamp LF/HF)	W	500	300	350	300	225	60
System Short term power IEC 268-5 (Biamp LF/HF)	W	2000	1200	1400	1200	900	240
Transformer	V/W	-	100 / 200 optional	100 /300 optional	100 / 200	100 / 100	100 / 50
Nominal impedance (Biamp LF / HF)	Ohm	8 (8 / 8 optional)	8	8	8	8	8
Frequency response	@-6dB	60Hz - 20KHz	95Hz - 20KHz	60Hz - 400Hz	70Hz - 20KHz	80Hz - 20KHz	90Hz - 20KHz
Low frequency woofer	inch	14 - 3 coil	12 - 2.5 coil	14 - 3 coil	12 - 2.5 coil	8 - 2 coil	5 - 1 coil
AES power		350	250	350	250	200	50
High frequency driver	inch	2 x 1.4 - 2.5 coil	1 - 1.7 coil	-	1 - 1.7 coil	1 - 1,4 coil	1 - dome
AES power		150	50	-	50	25	10
Sensitivity (@1W/1m) (Biamp LF/HF)	dB	98 / 110	101	97	98	95	89
Maximum SPL cont/peak	dB	126.5 / 137	128 / 132	125.5 / 129.5	124 / 128	120 / 124	109 / 112
Dispersion	H x V	100° x 15°	90° x 60°	omnidirectional	90° conical	90° conical	100°
Crossover frequency	kHz	1.2 (opt Bi-Amp)	1.6	external	1.6	1.8	3
Recommended HP filter		40hz - 24dboct	70hz - 24dboct	40hz - 24dboct	50hz - 24dboct	60hz - 24dboct	70hz - 24dboct
Input connectors		2 x Amphenol LTW 4pole	4 wire cable	4 wire cable	4 wire cable	4 wire cable	4 wire cable
Net dimensions (WxHxD)	mm inch	615x430x415 24.41x16.92x16.33	430x430x400 16.92x16.92x15.74	430x430x400 16.92x16.92x15.74	430x430x400 16.92x16.92x15.74	285x285x250 11.22x11.22x9.84	168x222x200 6.61x8.74x7.87
Net weight	kg/lb	38 / 83.7	21 / 46,3	17 / 37,4	15 / 33	7 / 15,4	3,5 / 7,7
Transport dimensions(WxHxD)	mm inch	715x530x515 28.14x20.86x20.27	530x530x500 20.86x20.86x19.68	530x530x500 20.86x20.86x19.68	530x530x500 20.86x20.86x19.68	365x365x330 14.37x14.37x12.99	250x300x280 9.84x11.81x11.02
Transport weight	kg/lb	40/88,2	23/50,7	19/41,8	17/37	9/19,8	4,5/9,9