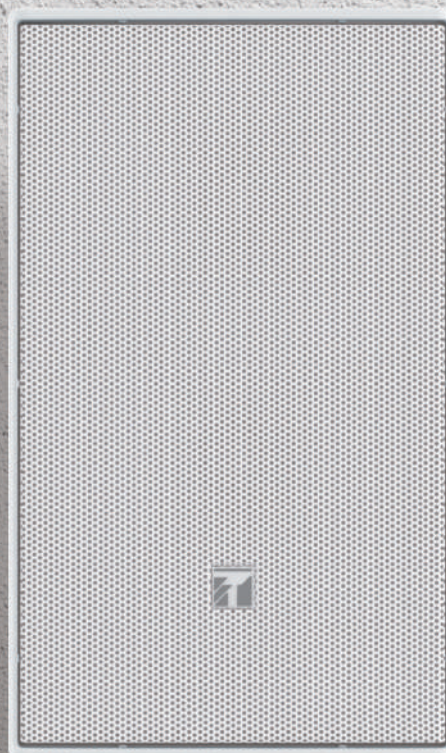




SURFACE MOUNT SPEAKER SYSTEM

F-BOX Series



Harmonious **design**, exceptional **sound**

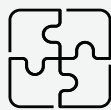
F-BOX Series

The F-BOX Series is a premium line of high-performance surface-mount box speakers designed to elevate your audio experience. Featuring our proprietary speaker units, these speakers deliver exceptional sound quality, sleek aesthetics, and effortless installation. With a variety of options, including 3.5-inch full-range speakers, 5-inch and 8-inch two-way speakers, and 8-inch subwoofers, the F-BOX Series is the perfect choice for any commercial or professional audio application.



Design

Space harmony



Mechanism

Ease of installation



Sound

Flat sound quality

Go-To Speaker for Every Audio Professional

Drawing on over 90 years of sound engineering expertise, the F-BOX Series represents a ground-up redesign that sets new standards in aesthetics, mechanics, and audio performance. These speakers are the ideal choice for any space or application, offering a reliable and versatile solution that stands the test of time.

DESIGN



Minimalist Design That Blends into the Space

The F-BOX series features a minimalist and flat design based on TOA's "Basic Shape" concept. By minimizing protrusions and unnecessary embellishments, it eliminates unintended shadows and reflections that create visual noise, allowing it to seamlessly blend into any environment.



Consistency in Every Detail, Even the Fittings

From the initial planning stages, the F-BOX Series has been designed with a consistent aesthetic, considering the included fittings as part of the main body. Just like the main unit, the fittings feature a unified design, creating a simple and beautiful space that remains free from visual noise, regardless of the viewing angle.

MECHANISM

Hassle-Free Installation with Redesigned Mechanism

The fittings specifically designed for the F-BOX Series not only feature a cohesive aesthetic but also offer excellent installability. Careful consideration has been given to ensure that anyone can install them safely.



Enhanced Safety and Ease in Installation

The innovative design allows the speaker to be temporarily secured to wall-mounted brackets during setup. This smart feature frees up both hands for wiring and precise angle adjustments, eliminating the need to support the speaker's weight. The result? A dramatically safer and more efficient installation process that significantly reduces the risk of accidents or equipment damage.



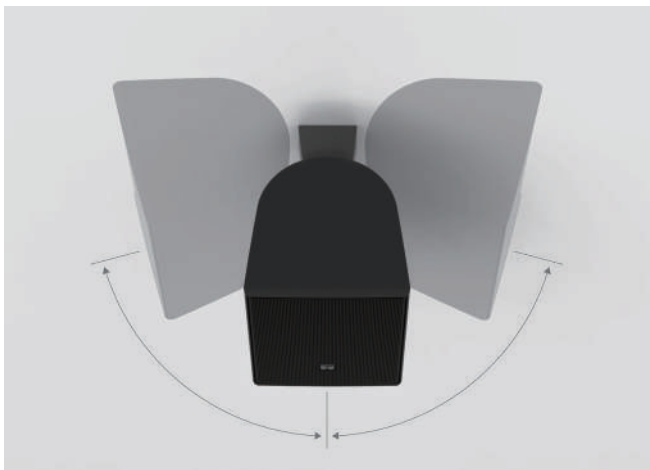
Temporary Docking



Hands-Free Operation



Wiring with Both Hands



Versatile Mounting with Precision Angle Control

The innovative mounting system adapts seamlessly to both wall and ceiling installations. The included brackets feature an advanced adjustment mechanism, allowing for precise fine-tuning of both vertical and horizontal angles.

Extensive Product Lineup

The comprehensive lineup includes a 3.5-inch full-range speaker, 5-inch and 8-inch 2-way speakers, and an 8-inch subwoofer, all available in both black and white. This diverse range enables you to select the perfect speaker for your specific needs, ensuring seamless integration into any environment.



High and Low Impedance Compatibility



Every model in the series, including the subwoofer, is designed to be compatible with both high and low impedance sound systems. This flexibility enables you to choose the optimal configuration based on the installation location, application, and wiring conditions, ensuring seamless integration into a variety of system designs. Whether you're working with high or low impedance setups, our products offer the adaptability you need to achieve superior sound quality in any environment.

Application Examples



Office



School



Retail Store

SOUND

TOA's Signature Sound

The F-BOX Series features TOA's proprietary speaker units, engineered to deliver the brand's renowned sound quality. These meticulously crafted units ensure exceptional audio performance, whether for foreground and background music or voice announcements. Designed for clarity and high fidelity, the speakers create an optimal acoustic environment with minimal need for sound adjustments, providing a superior listening experience in any setting.





Exceptional Sound Performance Right Out of the Box

At TOA, we are dedicated to achieving the perfect sound. To this end, we have developed proprietary speaker units that produce flat and natural sound. As a result, our speakers deliver accurate and high-quality sound right out of the box, requiring minimal adjustments to achieve perfection. This embodies TOA's commitment to delivering our signature sound excellence.

Powerful 8-inch Subwoofer

The lineup features an 8-inch subwoofer that delivers a rich and powerful low-frequency experience, especially when paired with the F-03 and F-05 models. This combination creates an exceptional sound environment. Moreover, the subwoofer is designed to support both high and low impedance, making it an ideal choice for sound installations in various settings, such as retail stores and gyms. This dual compatibility ensures versatility and ease of integration into different audio systems.



Detailed specifications

F-03BT / WT Speaker System



- > Versatile 3.5-inch full-range surface-mount speaker system
- > Perfect for music and announcements
- > Sleek design for seamless integration with walls and ceilings
- > Safe and easy installations with included mounting bracket
- > Temporary docking feature allows effortless wiring and positioning
- > Flexible angle adjustment for both wall and ceiling mounts
- > Ideal for permanent installs or portable setups

Specifications	F-03BT	F-03WT
Enclosure	Bass-reflex type	
Power Handling Capacity (*1)	Rated noise power: 30 W (8 Ω) Continuous program: 60 W (8 Ω)	
Rated Input	15 W (100 V line, 70 V line)	
Rated Impedance	8 Ω 100 V line: 670 Ω (15 W), 2 kΩ (5 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 330 Ω (15 W), 670 Ω (7.5 W), 2 kΩ (2.5 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W)	
Sensitivity	87 dB (1 W, 1 m) at installation in 1/2 free sound field	
Frequency Response	85 Hz - 20 kHz, -10 dB at installation in 1/2 free sound field	
Directivity Angle	Horizontal: 100°, Vertical: 100°	
Speaker Component	9 cm (3.5") Full-range PPcone-type	
Input Terminal	Push-in terminal	
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)	
Installation Environment	Indoor installation	
Finish	Enclosure: HIPS, black (RAL 9011 equivalent), paint Grille: Aluminum, black (RAL 9011 equivalent), paint Speaker bracket: Die-cast aluminum, black (RAL 9011 equivalent), paint Base bracket: Steel plate, t4, black (RAL 9011 equivalent), paint Base bracket cover: HIPS, black (RAL 9011 equivalent)	Enclosure: HIPS, white (RAL 9016 equivalent), paint Grille: Aluminum, white (RAL 9016 equivalent), paint Speaker bracket: Die-cast aluminum, white (RAL 9016 equivalent), paint Base bracket: Steel plate, t4, white (RAL 9016 equivalent), paint Base bracket cover: HIPS, white (RAL 9016 equivalent)
Dimensions	130 (W) X 221 (H) X 132 (D) mm (5.12" X 8.7" X 5.2")	
Weight	1.7 kg (3.75 lb)	
Accessory	Speaker bracket ...1, Base bracket ...1, Base bracket cover ...1, Bracket fixing screw ...1 set	
Option	Adapter plate: HY-F03B Speaker stand: ST-34B Note: K&M 19780 or K&M 19610 is required.	Adapter plate: HY-F03W Speaker stand: ST-34B Note: K&M 19780 or K&M 19610 is required.

(*1) Rated noise power is defined by IEC60268-5. Continuous program is 3 dB above Rated noise power.
Note: Bolts and nuts for mounting the bracket to the wall or ceiling are not included. Prepare them separately.

Optional Accessories

The HY-F03B or HY-F03W adapter plate is necessary for mounting the speakers on a stand.



HY-F03B



HY-F03W

F-05BT / WT Speaker System



- Versatile 5-inch 2-way surface-mount speaker system
- Perfect for music and announcements
- Sleek design for seamless integration with walls and ceilings
- Safe and easy installations with included mounting bracket
- Temporary docking feature allows effortless wiring and positioning
- Flexible angle adjustment for both wall and ceiling mounts
- Ideal for permanent installs or portable setups

Specifications	F-05BT	F-05WT
Enclosure	Bass-reflex type	
Power Handling Capacity (*1)	Rated noise power: 60 W (8 Ω) Continuous program: 120 W (8 Ω)	
Rated Input	30 W (100 V line, 70 V line)	
Rated Impedance	8 Ω 100 V line: 330 Ω (30 W), 1 kΩ (10 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 170 Ω (30 W), 330 Ω (15 W), 1 kΩ (5 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W)	
Sensitivity	90 dB (1 W, 1 m) at installation in 1/2 free sound field	
Frequency Response	60 Hz - 20 kHz, -10 dB at installation in 1/2 free sound field	
Crossover Frequency	4.5 kHz	
Directivity Angle	Horizontal: 100°, Vertical: 100°	
Speaker Component	Low frequency: 13 cm (5") PPcone-type High frequency: 25 mm (1") dome tweeter	
Input Terminal	Push-in terminal	
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)	
Installation Environment	Indoor installation	
Finish	Enclosure: HIPS, black (RAL 9011 equivalent), paint Grille: Aluminum, black (RAL 9011 equivalent), paint Speaker bracket: Die-cast aluminum, black (RAL 9011 equivalent), paint Base bracket: Steel plate, t4, black (RAL 9011 equivalent), paint Base bracket cover: HIPS, black (RAL 9011 equivalent)	Enclosure: HIPS, white (RAL 9016 equivalent), paint Grille: Aluminum, white (RAL 9016 equivalent), paint Speaker bracket: Die-cast aluminum, white (RAL 9016 equivalent), paint Base bracket: Steel plate, t4, white (RAL 9016 equivalent), paint Base bracket cover: HIPS, white (RAL 9016 equivalent)
Dimensions	162 (W) X 274 (H) X 164 (D) mm (6.38" X 10.79" X 6.46")	
Weight	2.7 kg (5.95 lb)	
Accessory	Speaker bracket …1, Base bracket …1, Base bracket cover …1, Bracket fixing screw …1 set	
Option	Adapter plate: HY-F05B Speaker stand: ST-34B Note: K&M 19780 or K&M 19610 is required.	Adapter plate: HY-F05W Speaker stand: ST-34B Note: K&M 19780 or K&M 19610 is required.

(*1) Rated noise power is defined by IEC60268-5. Continuous program is 3 dB above Rated noise power.
Note: Bolts and nuts for mounting the bracket to the wall or ceiling are not included. Prepare them separately.

Optional Accessories

The HY-F05B or HY-F05W adapter plate is necessary for mounting the speakers on a stand.



HY-F05B



HY-F05W

F-08BT / WT Speaker System



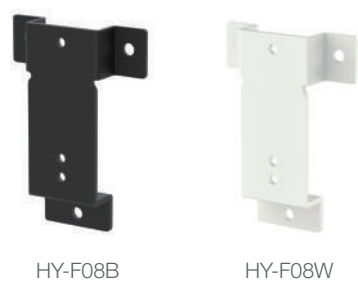
- Versatile 8-inch 2-way surface-mount speaker system
- Perfect for music and announcements
- Sleek design for seamless integration with walls and ceilings
- Safe and easy installations with included mounting bracket
- Temporary docking feature allows effortless wiring and positioning
- Flexible angle adjustment for both wall and ceiling mounts
- Ideal for permanent installs or portable setups

Specifications	F-08BT	F-08WT
Enclosure	Bass-reflex type	
Power Handling Capacity (*1)	Rated noise power: 90 W (8 Ω) Continuous program: 180 W (8 Ω)	
Rated Input	60 W (100 V line, 70 V line)	
Rated Impedance	8 Ω 100 V line: 170 Ω (60 W), 330 Ω (30 W), 670 Ω (15 W), 3.3 kΩ (3 W) 70 V line: 83 Ω (60 W), 170 Ω (30 W), 330 Ω (15 W), 670 Ω (7.5 W), 3.3 kΩ (1.5 W)	
Sensitivity	91 dB (1 W, 1 m) at installation in 1/2 free sound field	
Frequency Response	50 Hz - 20 kHz, -10 dB at installation in 1 / 2 free sound field	
Crossover Frequency	3kHz	
Directivity Angle	Horizontal: 100°, Vertical: 100°	
Speaker Component	Low frequency: 20 cm (8") PPcone-type High frequency: 25 mm (1") dome tweeter	
Input Terminal	Push-in terminal	
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)	
Installation Environment	Indoor installation	
Finish	Enclosure: HIPS, black (RAL 9011 equivalent), paint Grille: Aluminum, black (RAL 9011 equivalent), paint Speaker bracket: Die-cast aluminum, black (RAL 9011 equivalent), paint Base bracket: Steel plate, t4, black (RAL 9011 equivalent), paint Base bracket cover: HIPS, black (RAL 9011 equivalent)	Enclosure: HIPS, white (RAL 9016 equivalent), paint Grille: Aluminum, white (RAL 9016 equivalent), paint Speaker bracket: Die-cast aluminum, white (RAL 9016 equivalent), paint Base bracket: Steel plate, t4, white (RAL 9016 equivalent), paint Base bracket cover: HIPS, white (RAL 9016 equivalent)
Dimensions	251 (W) X 392 (H) X 216 (D) mm (9.88" X 15.43" X 8.5")	
Weight	5.2 kg (11.46 lb)	
Accessory	Speaker bracket …1, Base bracket …1, Base bracket cover …1, Bracket fixing screw …1 set	
Option	Adapter plate: HY-F08B Speaker stand: ST-34B Note: K&M 19780 or K&M 19610 is required.	Adapter plate: HY-F08W Speaker stand: ST-34B Note: K&M 19780 or K&M 19610 is required.

(*1) Rated noise power is defined by IEC60268-5. Continuous program is 3 dB above Rated noise power.
Note: Bolts and nuts for mounting the bracket to the wall or ceiling are not included. Prepare them separately.

Optional Accessories

The HY-F08B or HY-F08W adapter plate is necessary for mounting the speakers on a stand.



HY-F08B

HY-F08W

FB-08BT / WT Subwoofer System



- High-performance 8-inch indoor subwoofer system
- Powerful 20 cm (8") driver for robust bass reproduction
- Built-in crossover network for simplified system setup
- Seamless integration with F-03/05 series speakers without the need for external processors
- Versatile high/low impedance compatibility
- Optional brackets for wall or ceiling mounting

Specifications	FB-08BT	FB-08WT
Enclosure	Bass-reflex type	
Power Handling Capacity (*1)	Rated noise power: 120 W (8 Ω) Continuous program: 240 W (8 Ω)	
Rated Input	120 W (100 V line, 70 V line)	
Rated Impedance	8 Ω 100 V line: 83 Ω (120 W), 167 Ω (60 W) 70 V line: 50 Ω (100 W), 83 Ω (60 W), 167 Ω (30 W)	
Sensitivity	84 dB (1 W, 1 m) at installation in free sound field 90 dB (1 W, 1 m) at installation in 1/2 free sound field	
Frequency Response	45 Hz - 300 Hz, -10 dB at installation in 1/2 free sound field	
Speaker Component	20 cm (8") cone-type	
Input Terminal	M4 screw terminal, distance between barriers: 9 mm (0.35")	
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)	
Installation Environment	Indoor installation	
Recommended Amplifiers (*2)	DA-250DH, DA-250FH, DA-500FH, A-5012	
Finish	Enclosure: MDF, black (RAL 9011 equivalent), paint Grille: Surface treated steel plate, black (RAL 9011 equivalent), paint	Enclosure: MDF, white (RAL 9016 equivalent), paint Grille: Surface treated steel plate, white (RAL 9016 equivalent), paint
Dimensions	200 (W) X 350 (H) X 400 (D) mm (7.87" X 13.78" X 15.75")	
Weight	16 kg (3.53 lb)	
Option	Subwoofer wall mounting bracket: HY-WM-FB08B Subwoofer ceiling mounting bracket: HY-CM-FB08B	Subwoofer wall mounting bracket: HY-WM-FB08W Subwoofer ceiling mounting bracket: HY-CM-FB08W

(*1) Rated noise power is defined by IEC60268-5. Continuous program is 3 dB above Rated noise power.
(*2) When using the speaker in a high impedance system, it is highly recommended to pair it with the specified amplifiers. Failure to do so may result in reduced speaker performance, and the amplifier's protection features could cause sound interruptions.
Note: Bolts and nuts for mounting the bracket to the wall or ceiling are not included. Prepare them separately.

Optional Accessories

An optional mounting bracket is necessary for installing the subwoofer on a wall or ceiling.



