

F Series Surface Mount Speakers

- Compact box speaker for music and voice paging distribution
- Octagonal horn design for smooth coverage
- Adjustable high frequency dispersion (F-2000 models)
- Extruded cabinet improves low frequency performance

- Splashproof design in compliance with IPX4, available on models "BTWP/WTWP"
- Great variety of brackets available
- Paintable enclosure and front grille



F-1000BT
F-1000BTWP
F-1000WT
F-1000WTWP

- LF Driver: 4" cone woofer
- HF Driver: balanced dome tweeter
- Dispersion: 90°H x 90°V
- Optional rust-proof aluminum grill



F-1300BT
F-1300BTWP
F-1300WT
F-1300WTWP

- LF Driver: 5" cone woofer
- HF Driver: 1" dome tweeter
- Dispersion: 110°H x 100°V
- Optional rust-proof aluminum grill



F-2000BT
F-2000BTWP
F-2000WT
F-2000WTWP

- LF Driver: 8" cone woofer
- HF Driver: 1" hard-dome dome tweeter
- Dispersion (adjustable): 110°H x 100°V;
80°H x 80°V (with supplied throat adapter)



Specifications

	F-1000BT F-1000WT	F-1000BTWP F-1000WTWP	F-1300BT F-1300WT	F-1300BTWP F-1300WTWP	F-2000BT F-2000WT	F-2000BTWP F-2000WTWP
Rated Input (100V line)	15W		30W		60W	
Rated Impedance	8Ω/100V line: 670Ω (15W), 2kΩ (5W), 3.3kΩ (3W), 10kΩ (1W) 70V line: 330Ω (15W), 670Ω (7.5W), 2kΩ (2.5W), 3.3kΩ (1.5W), 10kΩ (0.5W)		8Ω/100V line: 330Ω (30W), 1kΩ (10W), 3.3kΩ (3W), 10kΩ (1W) 70V line: 170Ω (30W), 330Ω (15W), 1kΩ (5W), 3.3kΩ (1.5W), 10kΩ (0.5W)		8Ω/100V line: 170Ω (60W), 330Ω (30W), 670Ω (15W), 3.3kΩ (3W) 8Ω/70V line: 83Ω (60W), 170Ω (30W), 330Ω (15W), 670Ω (7.5W), 3.3kΩ (1.5W)	
Sensitivity (1W, 1m)	87 dB		90dB		92dB	
Frequency Response	85 – 20,000 Hz		80 – 20,000 Hz		65 – 20,000 Hz	
Speaker Component	Low: 10cm cone-type, High: Balanced dome tweeter		Low: 13cm cone-type, High: 2.5cm dome tweeter		Low: 20cm cone-type, High: 2.5cm dome tweeter	
Finish	Enclosure: HIPS resin, black or white Punched net: Surface-treated steel plate, black or white, paint		Enclosure: HIPS resin, black or white Punched net: Surface-treated steel plate, black or white, paint		Enclosure: HIPS resin, black or white Punched net: Surface-treated steel plate, black or white, paint	
Dimensions	130 (W) x 202 (H) x 131(D) mm / 5.1" x 8" x 5.2"		162 (W) x 250 (H) x 161(D) mm / 6.4" x 9.8" x 6.3"		244 (W) x 373 (H) x 235(D) mm / 9.6" x 14.7" x 9.3"	
Weight	1.8kg / 4 lbs	2kg / 4.4 lbs	3.6kg / 7.9 lbs		7.4kg / 16.3 lbs	
Dust/Water Protection	--	IPX4	--	IPX4	--	IPX4

F Series Wide-Dispersion Speakers Optional Accessories

❖ Cluster Bracket
HY-CL10B*



❖ Ceiling Mounting Bracket
HY-CM10B*



❖ Ceiling Mounting Bracket
HY-CM10W*



❖ Board Hanger Bracket
HY-BH10B*



❖ Cluster Bracket
HY-CL20B*



❖ Ceiling Mounting Bracket
HY-CM20B*



❖ Ceiling Mounting Bracket
HY-CM20W*



❖ Pole Mounting Bracket
SP-131



❖ Pole Mounting Bracket
YS-60B



❖ Rust-Proof Aluminum Grill
Q-F1000GRBA
Q-F1000GRWA
Q-F1300GRBA
Q-F1300GRWA



**Indoor use only.*

Refer to page 107 for more information.

Speaker Mounting Accessories Charts

F Series Wide-Dispersion Box Speakers						
	F-1000BT/WT	F-1000BTWP/WTWP	F1300BT/WP	F-1300BTWP/WTWP	F-2000BT/WT	F-2000BTWP/WTWP
Model						
Cluster Bracket	HY-CL10B				HY-CL20B	
						
Ceiling Mount Bracket	HY-CM10B		HY-CM10W		HY-CM20B	HY-CM20W
						
Board Hanging Bracket	HY-BH10B					
Pole Mounting Bracket	YS-60B					
						
Rust-Proof Aluminum Grill	Q-F1000GRBA	Q-F1000GRWA	Q-F1300GRBA	Q-F1300GRWA		
						

Coaxial Array Speakers				
Models	HS-1200BT	HS-1200WT	HS-1500BT	HS-1500WT
				
Wall/Ceiling Mount Bracket Vertical Installation	HY-1200VB	HY-1200VW	HY-1500VB	HY-1500VW
				
Wall/Ceiling Mount Bracket Horizontal Installation	HY-1200HB	HY-1200HW	HY-1500HB	HY-1500HW
				
Ceiling Mount Bracket	HY-C0801		HY-C0801W	
				
Wall Mount Bracket	HY-W0801		HY-W0801W	
				