TOA

INSTRUCTION MANUAL

SPEAKER SYSTEMS

F-505W, F-505G
F-605W, F-605G

Thank you for purchasing TOA's Speaker System.
Please carefully follow the instructions in this manual to ensure long, trouble-free use of your equipment.

1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.

⚠ WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

- Since the unit is designed for in-door use, do not install it outdoors. If installed outdoors, the aging of parts causes the unit to fall off, resulting in personal injury. Also, when it gets wet with rain, there is a danger of electric shock.
- Use the specified mounting bracket in combination. Doing otherwise may cause the unit or component to fall off, resulting in personal injury.
- Do not use anti-rust lubricant. If it contacts resin or rubber parts, they could deteriorate and cause the unit to fall, possibly resulting in personal injury.

⚠ CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

- Do not operate the unit for an extended period of time with the sound distorting. Doing so may cause it to heat up, resulting in a fire.

2. FEATURES

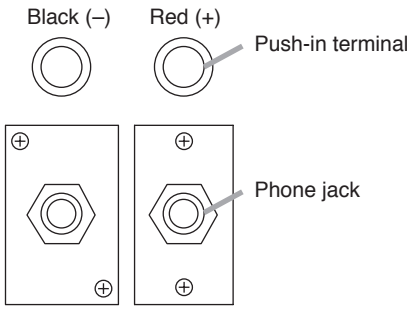
- 2-way bass-reflex speaker systems consisting of a durable high power woofer and a constant directivity (CD) horn tweeter with a high-efficiency driver.
- Highly accurate sound reproduction. Suited for a variety of applications requiring portability and simple installation.
- A CD horn with a nominal coverage pattern of 60° (h) x 40° (v).
- Low-foam polypropylene resin enclosure with superb acoustic characteristics and durability.
- Push-in input terminals connected in parallel with phone jacks, which are easy to substitute with XLR connectors.

3. PROTECTION CIRCUITRY

These speaker systems have individual protection circuits that will protect the woofer and tweeter from over-load. When the protection circuitry is activated, the input power to the woofer attenuates by 15 dB and the tweeter is disconnected.
A sudden drop of the volume level in high or low frequencies during speaker operation indicates that the over-load protection circuitry has been activated. In such a case, reduce the amplifier volume and wait. The protection circuitry is automatically reset in approximately 2 to 20 seconds. After the situation returns to normal, set the volume at a level lower than before.

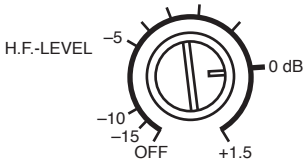
4. INPUT TERMINAL PANEL

Push-in terminals and phone jacks (2 each) are internally connected in parallel with each other.
When using an XLR connector, remove the jack panel and fit the XLR connector in the resultant opening.



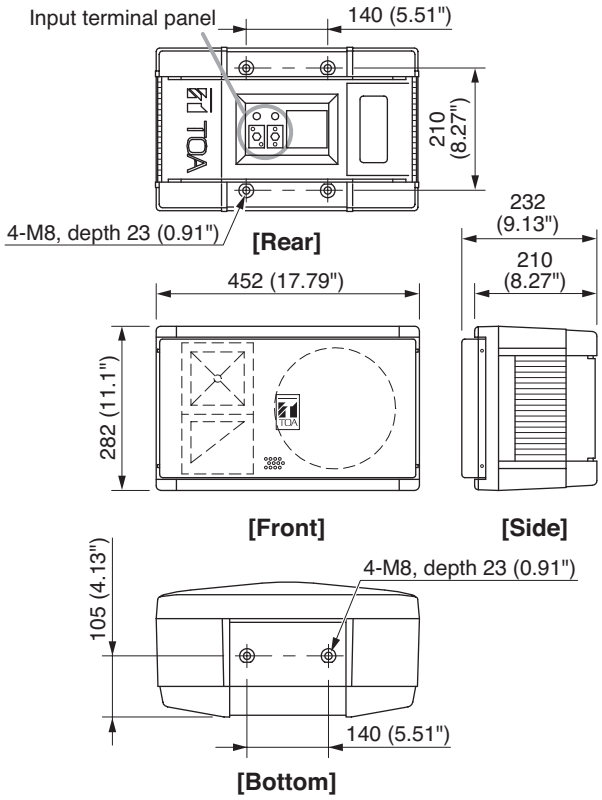
5. HIGH-FREQUENCY LEVEL CONTROL
(F-605W, F-605G only)

A high frequency level control (or tweeter volume control) is located on the speaker rear surface. Adjust the level with this control according to the usage conditions.



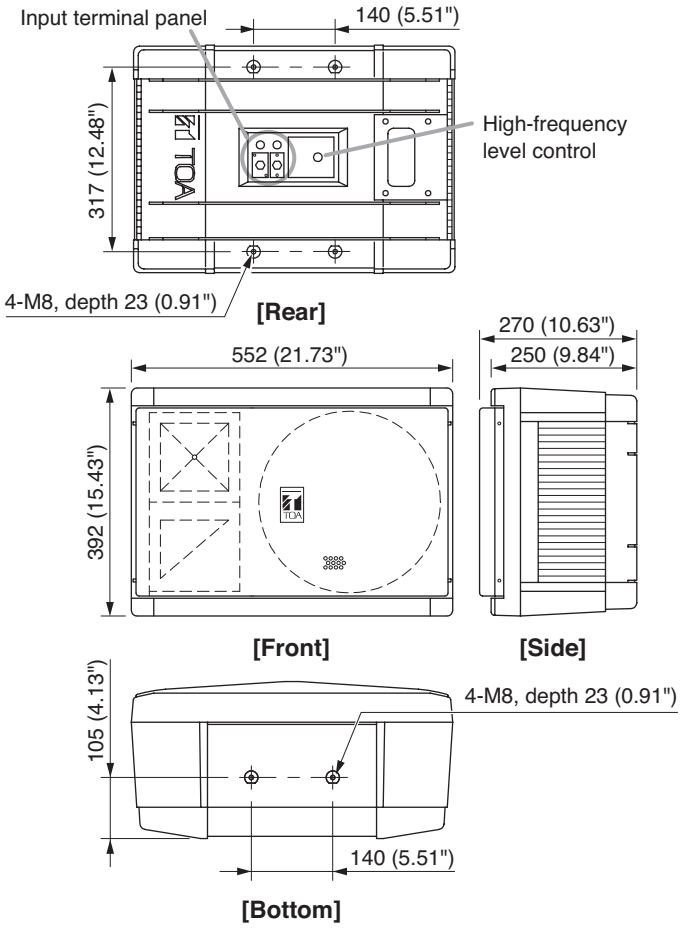
6. DIMENSIONAL DIAGRAM

6.1. F-505W, F-505G



6.2. F-605W, F-605G

Unit: mm (in)



7. SPECIFICATIONS

Model Number		F-505W	F-505G	F-605W	F-605G
Enclosure Type		Vented (bass reflex type)			
Speakers		Low frequency: 20 cm (8") woofer High frequency: CD horn plus compression driver 60˚ (horizontal) x 40˚ (vertical)		Low frequency: 30 cm (12") woofer High frequency: CD horn plus compression driver 60˚ (horizontal) x 40˚ (vertical)	
Nominal Impedance		8 Ω			
Sensitivity		93 dB (1 W, 1 m)		98 dB (1 W, 1 m)	
Frequency Response		70 Hz – 20 kHz		65 Hz – 20 kHz	
Crossover Frequency		3 kHz		2 kHz	
Power Handling Capacity		Continuous pink noise: 80 W Continuous program: 240 W		Continuous pink noise: 120 W Continuous program: 360 W	
High-Frequency Level Control		—		+1.5 to –15 dB (with an "OFF" position)	
Input Terminal		Two 1/4" phone jacks and push-in terminals, both for full-range			
Finish	Enclosure	Low-foam polypropylene			
	Color	Ivory	Dark gray	Ivory	Dark gray
Dimensions		452 (w) x 282 (h) x 232 (d) mm (17.79" x 11.10" x 9.13 ")		552 (w) x 392 (h) x 270 (d) mm (21.73" x 15.43" x 10.63")	
Weight		7.5 kg (16.53 lb)		17 kg (37.48 lb)	
Option	Wall Mount Bracket	HY-501W, HY-601W, YS-500, YS-60	HY-501B, HY-601B, YS-500, YS-60	HY-501W, HY-601W, YS-600	HY-501B, HY-601B, YS-600
	Ceiling Mount Bracket	HY-30W	HY-30	HY-30W	HY-30
	Stand	ST-34B			

Note: The design and specifications are subject to change without notice for improvement.

Traceability Information for Europe (EMC directive 2004/108/EC)

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