

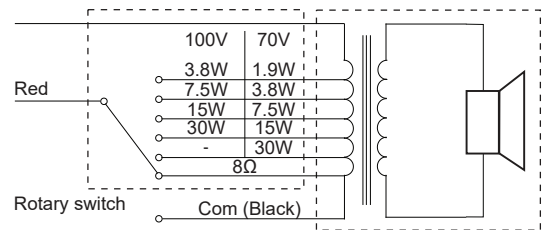
Introduction

HS725 meets the requirement of speakers with horn characteristics and yet delivers sound with music clarity.

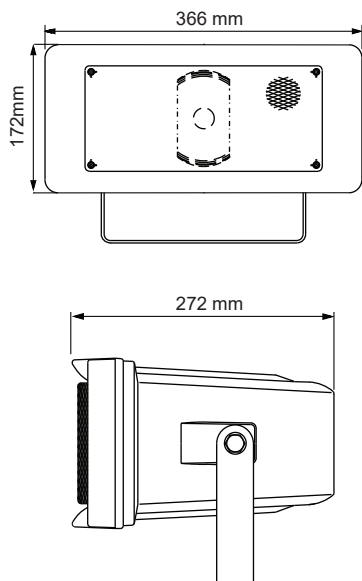
It is suitable for installations in almost any areas particularly outdoors, able to withstand rain and shine.

Ideal for schools, parking facilities, boats, industrial, parks, swimming pools, and so on.

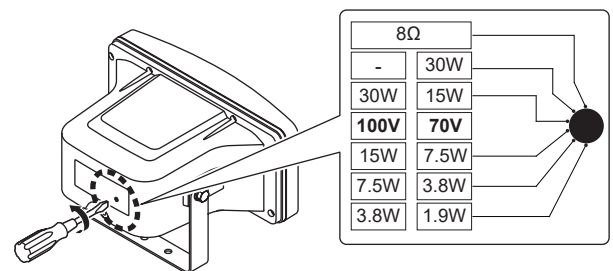
Circuit Diagram



Physical Dimensions

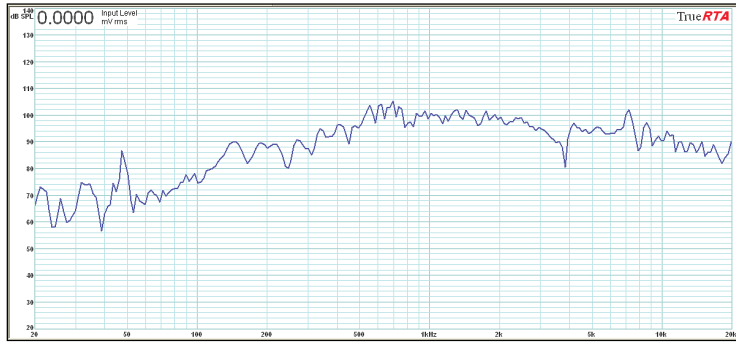


Rotary switch

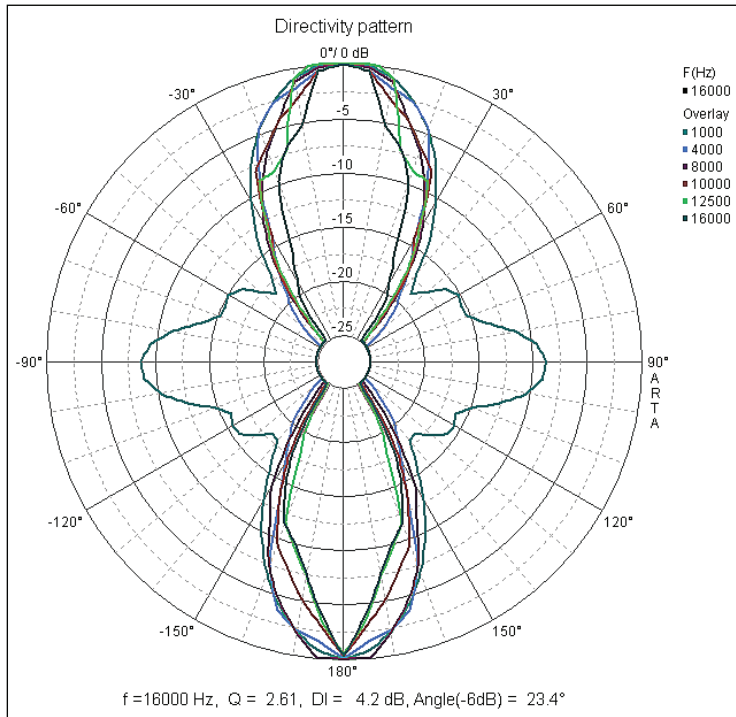


To change the impedance, change the rear panel-mounted rotary switch position to the desired impedance (wattage) using a standard screwdriver.

SPL Chart



Polar Chart



Technical Specifications

Power rating	30W 100V line
Power tapping (100V Line)	3.8 / 7.5 / 15 / 30W
Speaker	5" (125mm)
Primary impedance	2.6 K / 1.3 K / 667 / 333 / 8 Ohm
Secondary impedance	8 Ohm
Frequency response @ 1KHz +/- 3db	100 - 10 KHz
SPL (1W / m @ 1KHz)	90 dB
Grille / enclosure	Aluminium / ABS
Overall size (WxHxD)	366(W) x 172(H) x 272(D)mm
Weight	3.25 kg
Colour	Light Grey

Design Assistance

Paging horns can achieve a higher SPL than ceiling or wall speakers, but have limited frequency response. Thus, it is meant purely for voice announcement and siren tone.

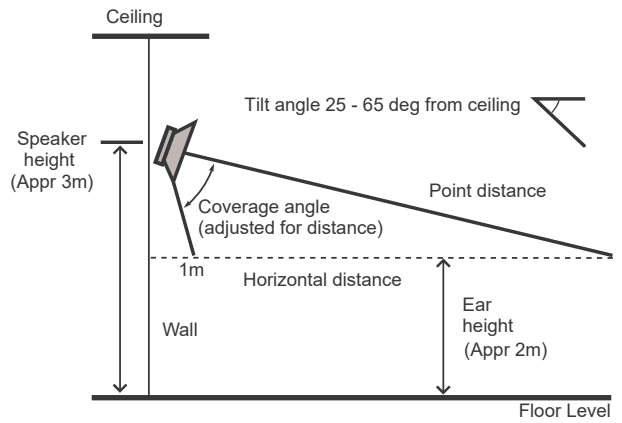
They are seldom used for music applications but are commonly used outdoors where long sound projection distances are needed.

They are also used in noisy environments where high sound levels are required for intelligible messages (i.e., large public spaces, warehouses, and factories).

When properly aimed and installed, their controlled coverage and reduced low frequency output increases the direct sound level to greater distance as compared to more broad band speakers.

Easy Selection Considerations:

- Directional sound projection
- Indoor, Outdoor
- For music and paging



Suggested installations

SPL Distribution Chart as per above diagram; tilt angle 45 deg

SPL (dB) vs Distance (m) - @ 1 kHz

Horizontal Distance	1m	2m	3m	4m	5m	6m	7m
Point Distance	1.4	2.2	3.2	4.1	5.1	6.1	7.1
1W (ref)	87	80	77	75	73	71	70
3.8W	93	86	83	81	79	77	76
7.5W	96	89	86	84	82	80	79
30W	99	98	89	87	85	83	82

Value rounded up without decimal points