

GPS Enable IP Cabinet Loudspeakers



MODEL : IPN-6W-GPS

The 6 W cabinet loudspeakers are intended for good speech intelligibility and background music reproduction and GPS enable live location tracking in general purpose applications like Bus, Train, Logistics etc.

Security Systems

- Good speech intelligibility and background music reproduction.
- GPS Enable location tracking.
- Finished in white or black.
- MDF construction.
- Available with or without integral volume control.
- Complies with international installation and safety regulations.

Certifications and Approvals

All IPNerves loudspeakers are designed to withstand operating at their rated power for 100 hours in accordance with IEC 268-5 Power Handling Capacity (PHC) standards. IPNerves has also developed the Simulated Acoustical Feedback Exposure (SAFE) test to demonstrate that they can withstand two times their rated power for short durations. This ensures extra reliability under extreme conditions, leading to higher customer satisfaction, longer operating life, and much less chance of failure or performance deterioration.

Functions

The robust, solid MDF (Medium Density Fiber board) enclosures are covered with a durable, easy-to-clean vinyl in a choice of white or black.

The ABS fronts are covered with fine woven cloth in matching color. The angled front baffle results in a better, improved high frequency reproduction in the listening area.

They are available with or without an integral volume control.

Parts Included

Quantity Component
1 cabinet loudspeaker

Installation/Configuration Notes

Three keyholes in the rear panel are provided for easy and quick wall mounting.

A convenient easy-to-use, 4-pole push-in terminal block is present on the rear panel for on-site wiring. This terminal block has provision for power tapping on the 100 V matching transformer in the cabinet. It allows selection of nominal full power, half-power or quarter-power radiation (i.e. in 3 dB steps)

Technical Specifications

Electrical*

Rated Power	6 W
Maximum Power	9 W
Sound Pressure Level at rated Power / 1 W (at 1 kHz, 1 m)	99 / 91 dB (SPL)
Effective Frequency Range	180 Hz to 20 kHz (-10 dB)
Opening Angle (at 1 kHz / 4 kHz, - 6 dB)	165° / 95°
Rated Input Voltage	100 V
Rated Impedance	1667 ohm

Environmental

Ambient Temperature	- 15° to + 55° C
---------------------	------------------

Mechanical

Connection	4-pole push-in terminal block
Dimensions (H x W x D)	243 x 151 x 141/119 mm (9.5 x 5.9 x 5.6/4.7 inch)
Color	Black Finish or Wooden Finish
Cabinet / Front	Matches RAL 9004 / RAL 9004 (D)
Cabinet / Front	Matches RAL 9010 / RAL 7044 (L)
Weight	1.5 kg

GPS Technical Specification

5Hz position update rate

Operating temperature range: -40 TO 85°C UART TTL socket

EEPROM to save configuration settings

Rechargeable battery for Backup

The cold start time of 38 s and Hot start time of 1 s

Supply voltage: 3.3 V

Configurable from 4800 Baud to 115200 Baud rates. (default 9600)

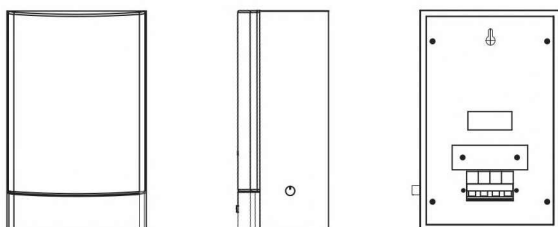
SuperSense ® Indoor GPS: -162 dBm tracking sensitivity

Support SBAS (WAAS, EGNOS, MSAS, GAGAN)

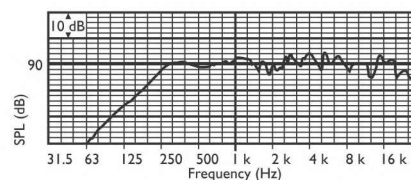
Separated 18X18mm GPS antenna



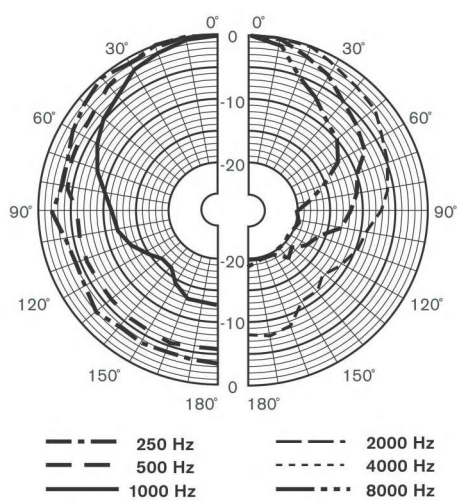
GPS Enable IP Cabinet Loudspeakers



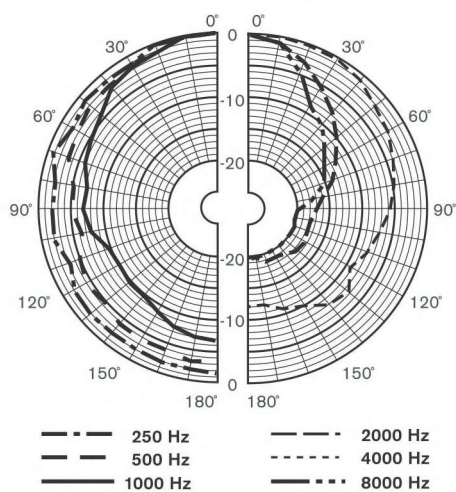
Block Diagram



Frequency response



Polar diagram horizontal (measured with pink noise)



Polar diagram vertical (measured with pink noise)