



## WEATHERPROOF IP HORN LOUDSPEAKER

# APH30-IP

The APH30-IP is a 20 Watts IP horn loudspeaker for voice, paging, intercom, music streaming, audio routing, pre-recorded and scheduled announcement, VoIP communication or as the SIP endpoint where network-wide communication is desired and high-output loudspeakers are required to overcome high ambient noise and/or large spaces.

The APH30-IP incorporates 3 control inputs for level control and source selection (using the RAC 5/8 controllers), 1 contact output for triggering events. To configure, control, monitor the IP speakers in real-time, this can be easily done through your favorite web browser interface, making the management even the most complex environments simpler than ever.



● <b>Certifications</b>	EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3
● <b>Electrical</b>	
Rated power, Watts	20
Effective Frequency Range, Hz (BSEN60268-5)	340-16,000
S.P.L. @ 1 m, 1 Watt, dB, Octave, 100 Hz-10 kHz	106
S.P.L. @ 1 m, Full power, dB, Octave, 100 Hz-10 kHz	120
Dispersion at 1k/2k Hz, Degrees	105/49 Horizontal 142/68 Vertical
Power supply	PoE+ 24 VDC power transformer (18-24 VDC), minimum power supply: 2 A
● <b>Environmental</b>	
IP-rating	66
Min/Max amb temp	-25°C to 70°C
Relative humidity	≤95%
● <b>Mechanical</b>	
Dimensions, WxHxD mm	258 x 180 x 280
Net weight, kg	2.53
Colour (Unless Specified)	Grey, RAL7035
Material	UL-94V0 Plastic, UV resistant
Mounting	Stainless Steel U bracket and hardware
● <b>Features</b>	
Configured, controlled, managed and monitored via web browser	
3 control inputs for level control and source selection using the RAC 5/8 controller	
1 relay contact output	
Network audio codec: G.711, G.722, WAV, mp3	
3rd party control with TERRACOM system	
Support VoIP call via SIP protocol	

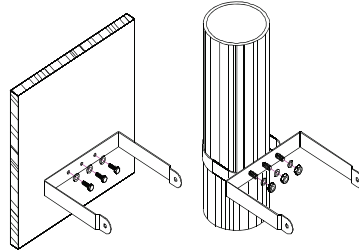
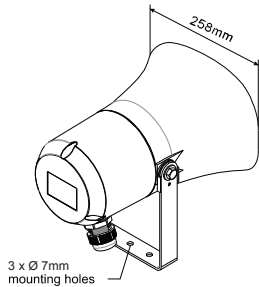
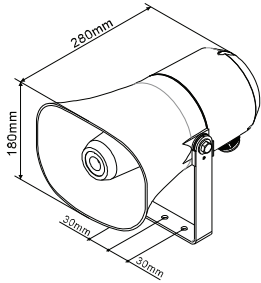


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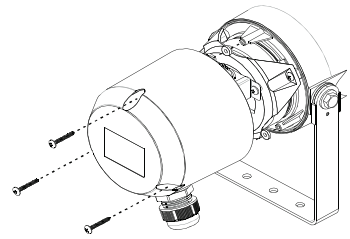


# INSTALLATION GUIDE

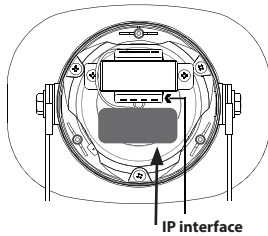
## APH30-IP



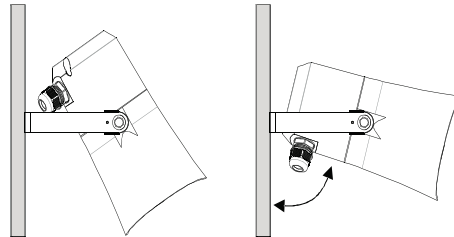
1) Remove the "U" bracket from the speaker. Align the bracket and mark the fixing points. Fix the bracket using suitable fixings (Not supplied).



2) Remove the back lid of the horn.

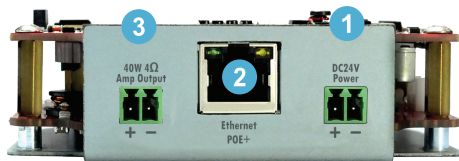


3) Connect cables to the speaker.  
4) Around the inner section of the chamber where the back lid was removed a rubber gasket is located; please make sure that it is in place when re-fitting the back lid to avoid water penetration. There is a fibreglass sleeve covering the central mounting bolt, it is important that this cover is used as it protects the transformer.

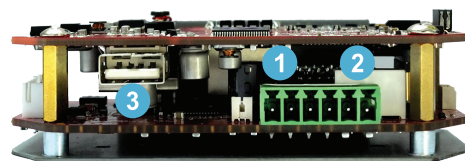


5) Re-fit the speaker to the "U" bracket. Position the speaker to the desired angle then tighten the fixings to secure in place.

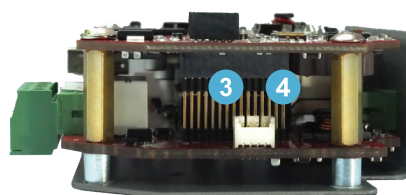
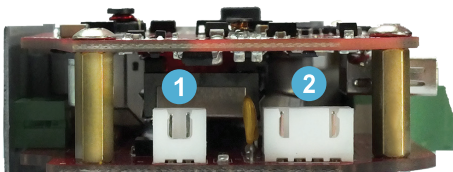
### SPEAKER CONNECTIONS



- 1. 24 VDC power input
- 2. RJ45 connector Ethernet
- 3. Speaker connection - 1 channel 20 W

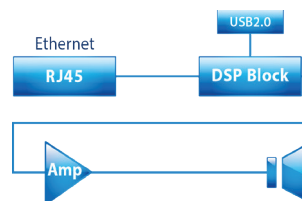


- 1. 3 logic control inputs
- 2. 1 contact output
- 3. USB interface (function reserved - Not available)



- 1. LED strobe connector (+ -)
- 2. Clock module interface
- 3. Power LED (+ -)
- 4. Status LED (+ -)

### FUNCTION BLOCK



Disclaimer: We reserve the right of changes and errors.



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