

### Technical Specs.

Current Draw	12 V	24 V
Output power with 13.5V with one 11 ohm speaker:	100 W	100 W
with two 11 ohm speakers:	180 W	180 W
Intensity with one 11 ohm speaker:	10 A máximo	5 A máximo
Two speakers:	18 A máximo	8 A máximo
Output voltage:	60 V	60V
Frequencies (depending on siren version) 500- 1800 Hz		
WAIL	12 cycles per minute	
YELP	180 cycles per minute	
BITONAL	450 - 600Hz 33 cycles per minute	
Harmonic distortion	0,87% (35 W, 100 Hz)	
Passing band +/- 3 dB	90 Hz - 28,000 Hz	
Radio signal level	2,5 V max.	
Intensity of auxiliary outputs		
Lights relay	10 A maximum	
Auxiliary relay	1 A maximum	
Operating temperatures	-30°C - +50°C	
Shipping weight	1300 gr	
Amplifier dimensions	55 x 135 x 170 mm	

### HOW TO ORDER

1. Specify model, version and voltage:
  - **AS-320DIG AH** 100W Siren amplifier, remote control, P.A., wiring harness, 12V or 24V.
2. Specify speaker:
  - **AL-252N** 100W Speaker with round horn and metallic bracket.
  - **AL-257N** 100W Speaker with rectangular horn and driver Housing, available in black or white.
  - **ES100C** 100W Speaker, 110hms, compact, small size.
3. Specify switch control and metal base.
  - **SW-521** Ref.8216090, ON-OFF Switch with protection.
  - **Metal base** Ref.8150749 for 3 switches.

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# AS-320DIG AH

## Siren amplifier

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# AS-320DIG AH

The controls designed for this siren have superior advantages upon other existing models in the market. The new remote control gives access to siren functions as well as the principal priority lights. In order to meet the needs of our customers, additional switches can be installed to facilitate the users requirements.

The **AS-320** offers the following functions: Manual, wail, yelp, two-tones, radio and P.A. The microphone and the volume control are incorporated on the remote control.

According to the diverse countries regulations, the tones microprocessor is programmed at the factory. There exists a wide range of siren versions to meet all needs.

The distinct versions differentiate themselves by the tones generated, the tones sequence according to the horn push and control's use, the amplifier's connectors functions, etc. This document corresponds to the standard version.

## FEATURES

- Standard sound functions: manual, wail, yelp, two-tones, radio, and P.A.
- Remote control with microphone incorporated.
- Radio repeat.
- Switches for alternate control.
  
- Siren tone change through horn activation.
- Relay outputs for priority lights.
- Relay output for tachograph.
- Easy to install mounting bracket for the amplifier.
- Specific configurations for different countries: Air horn, special two-tones, night/day options.
- Lamp failure detection.
- Small and easy to install.
- Available in 12V and 24V.



## VERSATILITY

The AS-320 siren distinguishes itself by its versatility in the way the function controls are activated. The siren's functions can be activated by the remote control, the optional switches, and the vehicle's horn push.

The siren can be activated either by the remote or by the optional on/off switch.

The selection for siren and radio functions from the optional switches is prevalent over the functions activated from the remote control. The P.A. always takes priority and interrupts all functions activated. The latter is reactivated automatically when the P.A. switch is released.

The remote control has an on/off switch, and a slide switch with three positions: off, siren, and radio or P.A. It also has a push button to activate the P.A. and a volume control.

When the siren is activated in this model's standard version, it starts with a wail tone, by pushing the horn push different siren tones are selected.

The relay output light turns itself on when the siren is activated. The relay output normally used by the tachograph is always activated when the siren is on.

## Approvals

This equipment meets the norms set for electromagnetic compatibility and is protected against reverse polarity.

## EASY INSTALLATION

Owing to its small size, the amplifier is versatile in its installation. In order to facilitate its extraction, a support bracket is supplied, which consists of a metallic base with a spring system that can be fixed onto the vehicle through screws.

The amplifier has two side knobs which slide into two slits on the support bracket. The amplifier can therefore be installed and removed without use of any tools.

The support bracket of the remote control can be installed by screwing it on an appropriate surface chosen for its accessibility. The adaptor is installed by means of a velcro strap in the vehicle's interior, close to the remote control.

Any of the following 100 watt, 11 Ohms speakers can be installed (see how to order), with the possibility to connect only one or two units in parallel.

