

FEDHORN System

The **FEDHORN system** is an electronic sirens system with horn sound.

- **HORN SOUND:** Two synchronized sirens connected to two 100W speakers reproduce the sound of horn by electronic technology.
- **EASY INSTALLATION:** Compact and modular system with an easy fitting into the vehicle, taking advantage of every space inside it.
- **EASY MAINTENANCE:** Elimination of maintenance cost associated to oil compressor and air membranes systems due to use of a fully electronic system.
- **FLEXIBILITY:** Specific configuration for different countries.
- **PUBLIC ADDRESS OPTION:** Remote microphone connection.
- **DAY/NIGHT:** An internal sound damping assure a sound reduction during the night.
- **CANBUS:** Communication System between lights, sirens and controller head. This system minimizes wiring installation and allows controlling all the elements by a single remote control.



Current Draw:	12V	24V
Output power with 13.5V:		
with one 11 ohm speaker:	100 W	100 W
with two 11 ohm speaker:	180 W	180 W
Intensity with one 11 ohm speaker:	10 A maximum	5 A maximum
with two 11 ohm speakers:	18 A maximum	8 A maximum
Output voltage:	60V	60V
Frequencies (depending on siren version) 600- 1350 Hz		
WAIL	12 cycles per minute	
YELP	180 cycles per minute	
BITONAL	450 - 600Hz	
Harmonic distortion	0,87% (35 W, 100 Hz)	
Passing band +/- 3 dB	90 Hz - 28,000 Hz	
Radio signal level	2,5 V maximum	
Intensity of auxiliary outputs		
Lights relay	10 A maximum	
Auxiliary relay	1 A maximum	
Operating temperatures	-30°C - +50°C	
Shipping weight	1300 gr (each siren)	
Amplifier dimensions	55 x 135 x 170 mm	

REF. MOD. DESCRIPTION

KC FEDHORN-12 (*) 2x100W Sirens System (master/Slave) with horn sound, international tones (wail, help, hi-lo), 1 auxiliary output programmed with priority lights, wiring, 12V. Compatible only with BCT2000 and BCT500CB Series.

KC FEDHORN-24 (*) 2x100W Sirens System (master/Slave) with horn sound, international tones (wail, help, hi-lo), 1 auxiliary output programmed with priority lights, wiring, 24V. Compatible only with BCT2000 and BCT500CB Series.

Public address

8235984 Public address kit with remote control. Volume and microphone functions control (for control head BCT3000)

Speakers (two units are necessary)

2021047 100W Speaker, round horn, neodymium driver, metal L- bracket (1)

2021004 100W Speaker, rectangular horn, driver housing, exterior protector, white

ES100C ES100 100W Compact Speaker, w/o bail bracket compact, small size

Mount Accessories

ESB-U Speaker mounting kit ES100

CAN BUS Control Head

BCT2006 BCT2000 Series control head. 6 control keys.

BCT2010 BCT2000 Series control head. 10 control keys.

BCT2015 BCT2000 Series control head. 15 control keys.

BCT2021 BCT2000 Series control head. 21 control keys.

8216160X BCT500 Series control head. 13 control keys (public address included)

** Please contact your Sales Dept. for availability.

Connectors kit for CANBUS Control Head

8299753 *Connectors kits for Control HEAD (It is necessary when there is no lightbars on the system)

(*) Must be specified when ordering, which international tones are desired