



SPEAKER SERIES

Vehicle Sound & Light Alarm Series

Voice alarms, sound & light alarms, wireless beacons and control cables - nine families, all customisable.

9 alarm families

Up to 120 dB

DC 6-48V wide voltage

Voice in any language

Wired & wireless

Shenzhen Jifuan Intelligent Technology Co., Ltd.

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*OEM & ODM welcome - voice, colour, cable, connector, function
and packaging all customisable.*

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Sound & Light Alarm Families - Choose Your Type

ALARM TYPE	HOUSING	VOLTAGE	POWER	KEY SPECIFICATION
Round intelligent sound & light alarm	Die-cast aluminium /...	DC 8-36V	12W	5W speaker, RS485/RS232/IO, IP68
Compact metal voice alarm	Metal	DC 6-36V	10W	3W speaker, IO x 2, 15 cm cable, IP67
Economy sound & light alarm	Reinforced nylon	DC 12-48V	15W	105 dB, 70 mm, 315 g, IP67
Plastic sound & light alarm	ABS plastic	DC 12-24V	-	Sound + light, sealed housing
Plastic round alarm	ABS, round	DC 12-24V	-	Surface mount, outdoor rated
Korean white custom alarm	Custom white	DC 12-24V	-	Custom colour + Korean voice
French wired sound & light alarm	Metal	DC 12-24V	-	RS485 protocol, French voice
Wireless alarm beacon system	Beacon + transmitter	Battery + 12V	-	120 dB, 10 500 mAh, IP69K, no wiring
Alarm control cable & switch	Cable / switch	-	-	GX12-4P/6P, modify switch version

All nine families are shown in detail on the following pages; five more reversing / warning alarms are on page 6.

Intelligent, Compact, Economy & Plastic



Round Intelligent Sound & Light Alarm

XS-138A series - die-cast aluminium or ABS

- Wide voltage DC 8-36V, works from -30 to +80 C
- 5W speaker with voice broadcast and LED rotating / flashing light
- RS485 / RS232 or 4 x IO trigger; baud rate 4800-115200
- IP68 sealed - die-cast aluminium or ABS housing



Compact Metal Voice Alarm

Small metal housing for tight mounting spaces

- Wide voltage DC 6-36V, -40 to +80 C operating range
- 3W speaker with red LED flash warning
- IO x 2 trigger (high or low level), baud rate 9600
- Only 15 cm pigtail - fits behind panels and bumpers



Economy Sound & Light Alarm

For trucks and large vehicles - best value

- Loud 105 dB warning for trucks and large vehicles
- Wide voltage DC 12-48V, 300 mA, 15W
- Reinforced nylon body, 315 g, 70 mm diameter
- IP67 - tolerates short immersion

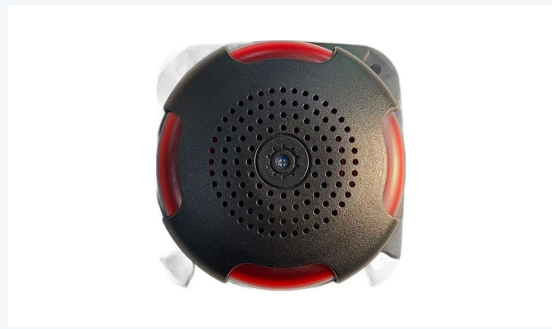


Plastic Sound & Light Alarm

ABS housing - light weight, low cost

- ABS housing keeps the weight and cost down
- Sound and light warning with voice option
- Wide voltage input for 12V and 24V vehicle systems
- Sealed against water and dust for exterior mounting

Round Plastic, Custom Colour, French & Cable



Plastic Round Alarm

Round ABS body

- Round plastic body for surface mounting
- Sound and light warning, 12-24V vehicle supply
- Sealed housing for outdoor use
- Voice and colour available on request



Korean White Custom Alarm

Custom colour programme - white housing

- Built for a Korean customer project - white custom housing
- Korean voice prompt loaded at the factory
- Same electronics as the standard alarm, custom appearance
- **Shows what we can do:** housing colour, voice and print to order



French Wired Sound & Light Alarm

Voice + RS485 protocol for EU projects

- French voice version produced for an EU customer
- RS485 communication with full protocol document
- **Frame:** 0xaa55 header, 0x55aa tail, default address 0x01
- 9600, n, 8, 1 with CRC check, big-endian payload



Alarm Control Cable & Switch

Cable, modify switch and internal structure

- Control cable for sound & light alarms - length and plug to order
- GX12 aviation plug or bare wire, with or without the power core
- Modify switch version for manual trigger or mute
- Internal structure available for engineering review

SPECIFICATIONS

Key Parameters - All Nine Families

Round Intelligent Sound & Light Alarm	
Voltage	DC 8-36V
Power	12W max
Speaker	5W
Protection	IP68
Size	100 x 100 x 45 mm (metal) / 51 mm (ABS)
Weight	280 g metal / 160 g ABS
Colours	Black / orange / army green (custom on request)

Compact Metal Voice Alarm	
Voltage	DC 6-36V
Power	10W max
Speaker	3W
Protection	IP67
Interface	GX12-4P male (customisable)
Cable	15 cm (custom lengths available)
Housing	Metal, black

Economy Sound & Light Alarm	
Voltage	DC 12-48V
Current	300 mA
Power	15W
Sound level	105 dB
Material	Reinforced nylon
Colour	Black
Diameter / weight 70 mm / 315 g	

Plastic Sound & Light Alarm	
Housing	ABS plastic
Voltage	DC 12-24V (per model)
Function	Sound + strobe light
Mounting	Bracket or bolt fixing
Options	Voice content, colour, cable, connector

Plastic Round Alarm	
Housing	ABS plastic, round
Voltage	DC 12-24V
Function	Sound + light
Protection	Sealed, outdoor rated
Options	Voice, colour, cable

Korean White Custom Alarm	
Housing	White, custom colour matched
Voice	Korean (customer script)
Voltage	DC 12-24V
Branding	Print / logo to order
MOQ	Confirmed per project

French Wired Sound & Light Alarm	
Protocol	RS485 (documented)
Address	0x01 default, configurable
Serial	9600, n, 8, 1, CRC, big-endian
Voice	French (custom languages available)
Power	DC 12-24V

Wireless Alarm Beacon System	
Sound level	up to 120 dB
Battery	10 500 mAh Li-ion, rechargeable
Protection	IP69K
Mounting	Rubber magnet or bracket + 4 screws
Trigger	12V signal from the control unit
Accessories	0.5 m aviation cable, extension cable, charger
Voice	MP3, changeable from the transmitter box

Alarm Control Cable & Switch	
Type	Alarm control / extension cable
Connector	GX12-4P / 6P aviation, or bare wire
Length	Standard 0.5 m, custom lengths available
Options	Modify switch, waterproof plug, custom terminals
Variants	With or without the power core (per project)

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Reversing & Warning Alarms (YS / JPA series)

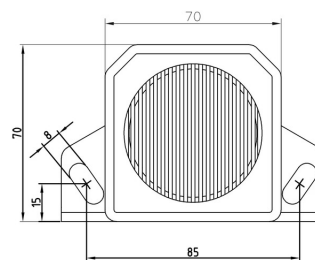


JPA-B20

Reversing Alarm Buzzer (B20 / B30 series)

Adjustable dB - buzzer, white noise, voice or MP3

- Wide 10-48 VDC input - works on 12V and 24V vehicles with no converter
- Output 87 / 97 / 102 / 107 dB selectable (tolerance +/-4 dB @ 4FT)
- IP68 glass-filled nylon housing with epoxy-encapsulated electronics
- **Sound options:** buzzer, white noise, voice, self-adjusting or custom MP3 (USB)



JPA-B81

Voice Alarm Speaker (B80S series)

Clear spoken warning for turning and reversing

- **Voice prompts:** "Cautious! vehicle turning left / right", "Warning! vehicle reversing"
- 12-24 VDC, 97 dB (+/-4 dB @ 1.2 m)
- **Languages:** Chinese / English / Korean; USB model for your own sounds
- Compact 85 x 70 mm housing with mounting bracket, open 4-wire cable



JPA-BL1

Sound & Light Alarm with LED Beacon (BL series)

LED flashing beacon and speaker in one unit

- Sound and light in one unit - LED beacon plus alarm speaker
- 12-24 VDC, 102 dB voice version / 97 dB white-noise version (+/-4 dB @1.2 m)
- Night mode version 97 / 80 dB for residential areas
- 4-LED and 8-LED flashing versions, amber LED



JPA-BQ

Sound & Light Blind-Spot Alarm (BQ series)

Active warning for truck blind spots

- Sound plus illuminated panel - audible and visible warning
- 12-24 VDC, 92 dB buzzer version / 82 dB white-noise version (+/-4 dB @1.2 m)
- Actively warns pedestrians and traffic when the truck turns or reverses
- IP67 epoxy-sealed electronics, shock and vibration resistant

Reversing & Warning Alarms - Parameters



Metal Housing Reversing Alarm (BR series)

YS-BR-L 107 dB / YS-BR-S 102 dB

- **Metal housing plus epoxy-sealed electronics:** waterproof, dustproof and shock resistant (IP67)
- High output - YS-BR-L 107 dB / YS-BR-S 102 dB (+/-4 dB @1.2 m)
- Wide 9-32 VDC input for 12V and 24V vehicles
- **Compact body:** 127 x 41.5 x 76.5 mm (L) / 105 x 41.5 x 76.5 mm (S)
- Standard 220 +/-15 mm open cable; DT / AMP connectors optional

KEY PARAMETERS - ALL FIVE MODELS

MODEL	VOLTAGE	SOUND LEVEL	SEALING	NOTES
JPA-B20	DC 10-48V	87 / 97 / 102 / 107 dB (+/-4 dB)	IP68	
JPA-B81	DC 12-24V	97 dB (+/-4 dB @1.2 m)	IP67 sealed ho...	Chinese / English / Korean, US...
JPA-BL1	DC 12-24V	102 dB (voice) / 97 dB (white n...	IP67	
JPA-BQ	DC 12-24V	92 dB (buzzer) / 82 dB (white n...	IP67	Illuminated warning panel
JPA-BRL	DC 9-32V	107 dB (YS-BR-L) / 102 dB (YS...	IP67 metal hou...	Custom dB, size, mounting or v...

Wireless Alarm Beacon - No Wiring Needed



WHY IT IS DIFFERENT

- Siren up to 120 dB with high-intensity red strobe
- Built-in rechargeable lithium battery, 10 500 mAh
- No cable between beacon and vehicle - wireless trigger
- MP3 voice and volume adjustable from the transmitter box
- IP69K sealed housing, magnet and screw mounting
- One transmitter box can drive more than one beacon

KEY PARAMETERS

Sound level	up to 120 dB
Battery	10 500 mAh Li-ion, rechargeable
Protection	IP69K
Mounting	Rubber magnet or bracket + 4 screws
Trigger	12V signal from the control unit
Accessories	0.5 m aviation cable, extension cable, charger
Voice	MP3, changeable from the transmitter box

HOW THE SYSTEM WORKS

- 1 Person detected:** The vehicle control unit (radar / BSD / sensor) detects a person and outputs a 12V signal.
- 2 Transmitter box:** The transmitter box receives the 12V trigger and sends a wireless command to the paired beacon.
- 3 Beacon alarms:** The beacon plays the pre-loaded MP3 voice, the 120 dB siren and the flashing red strobe - no wiring.

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What We Can Change For Your Project

VOICE & SOUND

- **Voice content:** load your own MP3 - alarm phrases, warnings, reversing messages or a brand sound.
- **Languages already produced:** English, French, Korean, Spanish, Chinese.
- **Volume:** standard, adjustable version, or a louder external speaker variant.
- Sound level from 105 dB up to 120 dB depending on the model.
- Tone only (no voice) versions available for classic reversing alarms.

HARDWARE & WIRING

- **Cable:** length, gauge and connector to order - GX12-4P / 6P aviation plug, bare wire, waterproof plug or custom terminals.
- **Function:** sound only, light only or sound & light; IO trigger (high / low level), RS485 or RS232.
- **Light:** steady, flashing or simulated rotating; white / red / yellow lens.
- **Housing:** die-cast aluminium, ABS or reinforced nylon; round, square or compact.
- **Colour:** black and orange as standard, other colours to order (white done for Korea).

PROJECT & COMMERCIAL

- **Wireless option:** battery beacon + transmitter box for trailers and retrofits - no wiring between beacon and vehicle.
- **Protocol:** RS485 documentation supplied (0xaa55 header, 0x55aa tail, default address 0x01, 9600 n 8 1, CRC, big-endian) for your own host or platform.
- **Branding:** silk-screen print, logo, label and packaging.
- **Sample first:** send your voice file and target vehicle, we build one sample for field test before mass production.
- **MOQ:** flexible; mixed models in one container are accepted.
- Neutral or customer-branded packaging, labels and manuals.



RS485 Customisation - Control the Alarm from Your System

Our alarms and warning lights can be supplied with an RS485 interface, so your MDVR or controller drives the sound, the light, the voice and the volume directly - no extra switch or trigger wire.

WHAT WE CAN DO

- RS485 (Modbus RTU style) control, or a custom frame matched to your device.
- MP3 voice, volume, light mode and device address controlled over the bus.
- **Multi-drop slave:** works on a bus shared with other devices, answers only its own frames.
- Converter option if your protocol is fixed and cannot be changed.
- Already in series on a French fleet project - drop-in replacement on the customer's MDVR.

TYPICAL BUS PARAMETERS

Interface	RS485, 2-wire, half-duplex
Baud rate	9600 (others on request)
Settings	8 data bits, no parity, 1 stop bit
Address	Default 01, configurable
Supply	DC 10-32V (12V / 24V vehicles)
Connector	4-pin aviation: +12V, A, B, GND

RS485 WARNING LIGHTS (190 / 290 SERIES)



- **190 / 290 series warning lights:** up to 120 dB, IP69K, USB voice replacement, red / yellow / blue / green lens, strobe, flashing or revolving light.
- Alarm beacons can also be driven by a simple switch signal if RS485 is not needed.

Ordering Notes & Usage Precautions

BEFORE YOU ORDER

- **Which family:** round metal / round plastic / compact metal / economy / wireless.
- **Voltage:** round DC 8-36V, compact DC 6-36V, economy DC 12-48V - confirm by vehicle.
- **Trigger:** RS485, RS232, IO (high or low level) or local sound & light only.
- **Voice:** our standard message or your MP3 / script, and how many languages.
- **Volume:** standard, adjustable, or external loudspeaker version.

USAGE & PRECAUTIONS

- Check the voltage and polarity before connecting; do not reverse the RS485 A/B lines.
- Keep the speaker and lens facing outwards, clear of mud, ice and snow.
- IP67 / IP68 / IP69K tolerate immersion and jets, but not endless high-pressure washing directly at the seals.

ALSO CONFIRM

- **Cable:** length, gauge and connector type.
- **Housing:** material, colour and silk-screen content.
- **Wireless:** whether a wireless version is needed, plus range and pairing.
- Protocol document needed for your own host or platform integration.
- Quantity, packaging (colour box / neutral box) and lead time.

- Use the specified screws (M4 / M5) on a flat surface; tighten without over-torque.
- Set the address and baud rate before connecting to the vehicle system (default 0x01 / 9600, n, 8, 1).
- **Custom voice versions:** always test on the vehicle after loading a new MP3.

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Why Choose Jifuan

MANUFACTURING STRENGTHS

- **15+ years OEM / ODM experience:** vehicle cameras, monitors, MDVR, 360 systems and alarm devices under one roof.
- **In-house R&D and tooling:** private mould development, PCB design and firmware.
- Own SMT lines and a mature supply chain for stable, repeatable production.
- **Export experience:** FOB Shenzhen shipments to Europe, North America, the Middle East and Oceania.
- Flexible MOQ with mixed-model containers.

QUALITY CONTROL

- **100% ageing test before packing:** every alarm runs on a burn-in rack.
- **Waterproof test:** IP67 / IP68 / IP69K checks on sealed models.
- **High & low temperature chamber:** -40C to +80C verification.
- Vibration and shock test for truck, bus and off-highway use.
- Voice playback and volume check on every custom-voice unit.
- 1-year warranty with responsive technical support and spare parts.

ALARM PROJECTS ALREADY DELIVERED

- France - wired sound & light alarm with French voice and RS485 protocol.
- France - wireless alarm beacon (battery beacon + transmitter box), IP69K.
- Korea - white custom alarm with Korean voice prompt.
- Australia - English and Spanish voice warning files for a fleet project.

Send us your voice file - we build a sample

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