

Driven by passion.

# RELAX

## CRS27A

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USER MANUAL

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FRENCH SOUND

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Congratulations!

And thank you for purchasing this high quality BLAM product. This CRS27A combines all advantages of a passive subwoofer and a separate mono amplifier in one high performance and practical product.

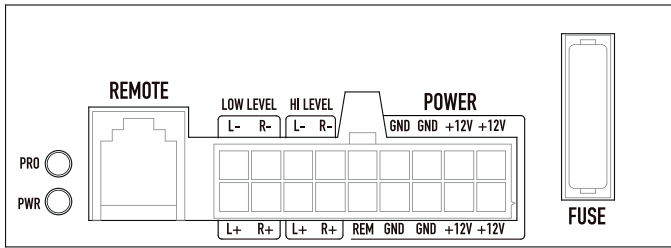
### **KEY FEATURES CRS27A**

- CRS27A in sealed enclosure
- Dedicated for use inside spare wheels above 15" rim / 38 cm
- 11" / 28 cm long-stroke bass driver with ultra-rigid stainless steel cone
- Built-in class-A/B amp module with 150 W rms power output
- Variable input gain for RCA and High Level input signals
- Variable crossover with 50 – 150 Hz low-pass filter adjustment range
- Subsonic filter @20 Hz
- Variable bass-boost with 0 – 12 dB @ 45 Hz control range
- Auto turn-on function
- Phase switch for 0° and 180° bass output
- External remote control
- Plug & Play power connector

### **SPECIFICATIONS**

- Amplifier Power 150 W RMS
- Peak Power 300 W
- Frequency Response 28 Hz – 500Hz
- Fuse 25A
- Maximum Current Draw 23A
- Quiescent Current Draw<1.2A
- Crossover Frequency 50Hz – 150Hz
- Crossover Slope 12dB/Octave
- Bass Boost 0 - 12dB Variable @ Fix 45 Hz
- Line level input sensitivity 0.4 V - 4V
- Speaker level input sensitivity 0.5V - 10V
- Dimensions (D x H)14-3/16" x 6-1/2"(D360mm x H145mm)

## 1. CONNECTIONS AND CONTROLS



### PRO/PWR LED

Operational status of the amplifier.

“GREEN” > Amp is ON and ready for bass playback.

“RED” > Protect mode is active (due to overheating or another fault).

### REMOTE

Input terminal to connect the cable of the remote control.

### LOW LEVEL

Input terminal of the low level signal input (RCA output of the head unit). The connection of the RCA cables takes place on the provided Plug & Play connection harness.

### HIGH LEVEL

Input terminal of the high level signal input (speaker output of the head unit). The connection of the speaker cables takes place on the provided Plug & Play connection harness.

### POWER

Input for power supply +12 V, GND / Masse and Remote/ACC +12 V.

“GND” > for the black ground wire that need to be connected to the vehicle chassis ground.

“REM” > for the blue remote wire that need to be connected to the REM or ACC+ output of the head unit.

“+12V” > for the red main power wire that need to be connected to the positive pole of the battery.

### FUSE

Fuse holder for 25A standard automotive ATC fuse. Do not use any other current rating than 25A if the fuse needs to be replaced.

## 2. ADJUSTMENTS ON THE REMOTE CONTROL

### INPUT - Input sensitivity

For best sound quality and dynamics, correct input sensitivity adjustment of the amp module is mandatory. The input gain is responsible for signal to noise ratio and the maximum distortion free bass output of the active subwoofer.

**⚠ ATTENTION:** Before you start any adjustment on the amp module, set all tone controls of your head unit to their neutral or flat position, e.g. BASS, TREBLE and Loudness as well as User EQ presets.

Set the X-OVER potentiometer to approx. 120 Hz.

Set the GAIN in the anti-clockwise position. Turn up the volume of your head unit to about 75% of max. output. Slowly increase the GAIN potentiometer setting by turning the knob clockwise, until you hear a balanced sound with sufficient bass.

### PHASE

Now check both slide switch positions of the PHASE control. Compare the bass reproduction on the driver's seat resulting from each position of the switch. One setting, i.e. either 0° or 180° will give you more bass, a better (more precise) bass or even both. This is the correct setting that shall be kept.

### LOW Pass – Crossover frequency

Finally, you can fine tune the low pass cut-off frequency on the amp module. To fine adjust the upper bass reproduction of your subwoofer, turn the X-OVER potentiometer out of its 120 Hz position clock or anti-clock wise.

### BASS BOOST

Control potentiometer to adjust the bass boost in the 45 Hz range. Adjustment range goes from 0dB (no boost) to 12dB (12times higher amplifier output).

