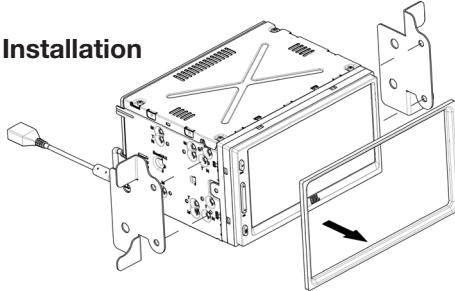# JBL Legend CP100
smartphone receiver

This quick start guide will introduce you to the basics of the JBL Legend CP100 smartphone receiver. Please refer to your owner's manual for a more in-depth look at installation and functions.

JBL Legend CP100
Quick Start Guide

1. Installation

To install the Legend CP100, you'll need to buy or fabricate a vehicle-specific mounting bracket.
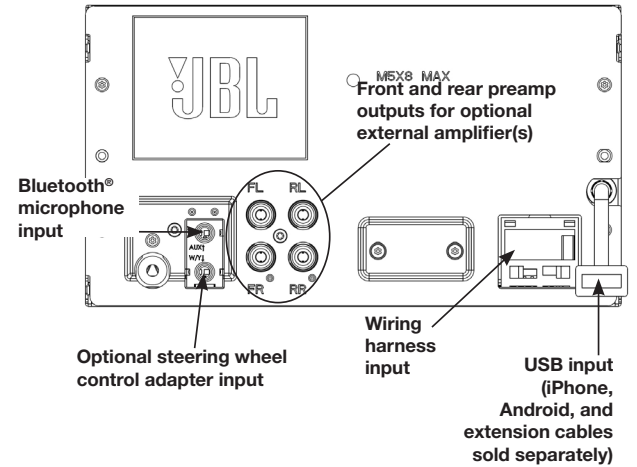
Wiring connection guide

Function	Wire color	Function	Wire color
ACC power	Red	Front left speaker +	White
Constant power	Yellow	Front left speaker –	White/black
Ground	Black	Front right speaker +	Gray
12v out	Yellow/black	Front right speaker –	Gray/black
		Rear left speaker +	Dark green
Parking brake	Light green	Rear left speaker –	Green/black
Reverse signal	Violet/white	Rear right speaker +	Violet
Optional rear camera	Yellow RCA	Rear right speaker –	Violet/black

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JBL Legend CP100
Quick Start Guide

2. Rear panel connections

- Bluetooth® microphone input
- Optional steering wheel control adapter input
- M5X8 MAX
- Front and rear preamp outputs for optional external amplifier(s)
- Wiring harness input
- USB input (iPhone, Android, and extension cables sold separately)
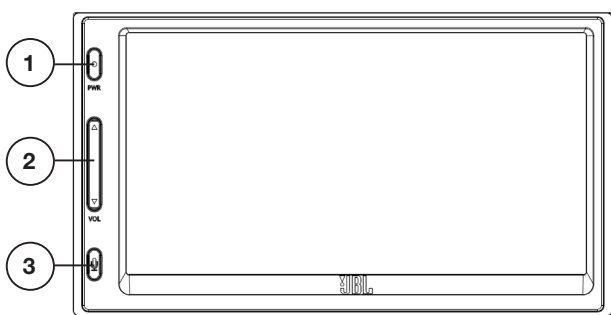

JBL Legend CP100
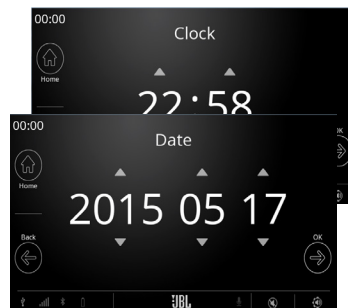Quick Start Guide

3. Front-panel buttons

1. **Power button** turns the receiver on and off
2. **Volume button** raises and lowers the volume level
3. **Push-to-talk button** lets you engage Android Auto™ and Apple CarPlay® voice control functions

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JBL Legend CP100
Quick Start Guide

4. Setting up

After installation, or if you've disconnected and reconnected your car's battery, you'll first need to program the date and time by tapping the arrows on the screen.
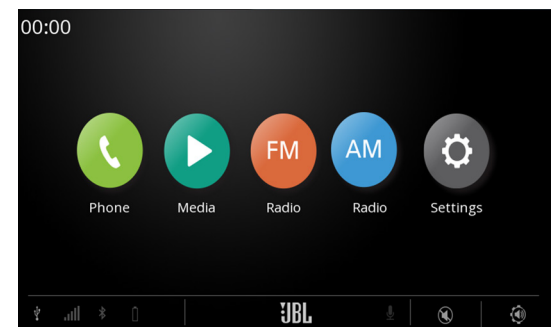
Tap "Settings" on the home screen to change languages, activate day/night mode, change the date/time, adjust audio settings, and connect to your Bluetooth devices.

JBL Legend CP100
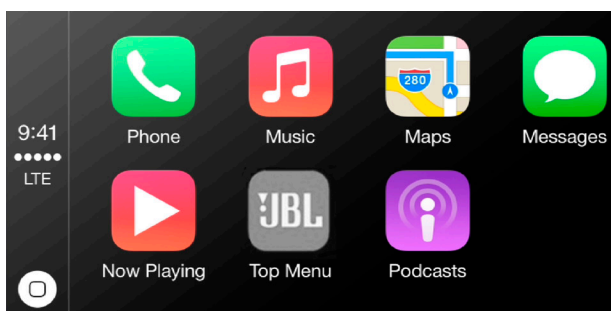Quick Start Guide

5. Home screen

The home screen is your base of operations. From it, you can tap the screen to select:

Phone to make and receive hands-free phone calls
Media to play MP3 files from USB, or engage Apple CarPlay or Android Auto from your compatible phone
FM to listen to FM radio broadcasts
AM to listen to AM radio broadcasts
Settings to adjust system settings

JBL Legend CP100
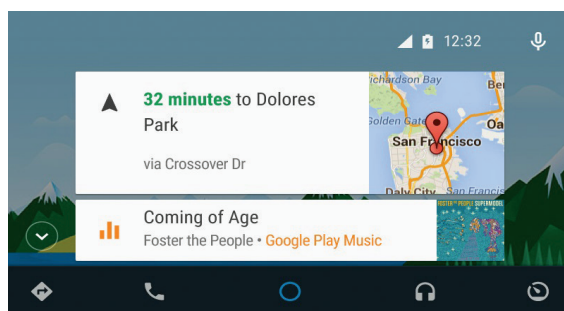Quick Start Guide

6. Using Apple CarPlay

To engage Apple CarPlay, you simply need to plug your compatible iPhone 5 or iPhone 6 into the USB input and tap the Apple CarPlay button that appears on the home screen. From there, you can use the touchscreen or your voice to control select Apple apps.

Tap the JBL icon to return to the home screen.

JBL Legend CP100
Quick Start Guide

7. Using Android Auto

To engage Android Auto, you just plug your compatible Android Phone into the USB input and tap the Android Auto button that appears on the home screen. You can then use the touchscreen or your voice to control select apps. This feature might require you to download Android Auto from the Google Play™ store.
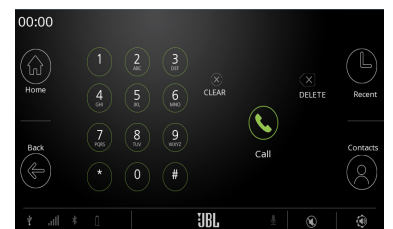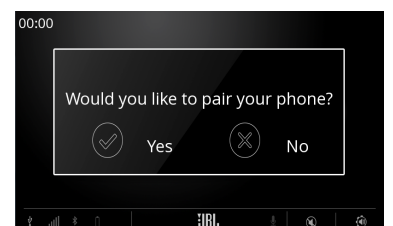

JBL Legend CP100
Quick Start Guide

8. Using Bluetooth for hands-free calling

To pair your phone and receiver using Bluetooth, tap the "Phone" button and press "Yes". Then pull up the pairing screen on your phone and select the CP100. You can now receive calls, and make calls by using the onscreen dialer or selecting a contact.

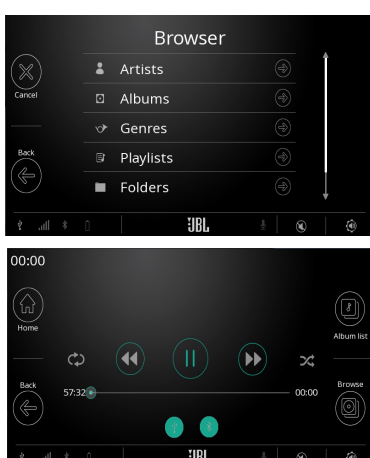Bluetooth is not available when using Apple CarPlay.

JBL Legend CP100
Quick Start Guide

9. Playing music via USB

To play digital music stored on a USB thumb drive, plug the drive into the USB port, and tap the "Media" button. You can then browse your music by artist, album, genre, and playlist.
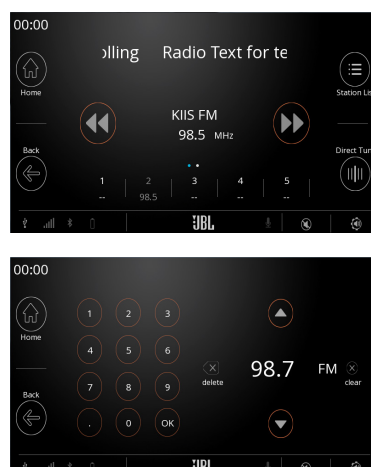

JBL Legend CP100
Quick Start Guide

10. AM/FM radio

From the home screen, tap FM or AM. You can then find stations by direct tune, auto scan, or manual search. Press the double arrow key once to tune manually; hold the double arrow key to engage seek tuning.

You can save up to 10 presets. To set one, press and hold the preset button until the station's frequency appears.

JBL Legend CP100
Quick Start Guide

Specifications

Display
Size: 6.75"
LCD type: TFT active matrix
Pixels: 1,152,000 [800 x 480 x 3 (RGB)]
Illumination: LED

Power
General Power Requirement: 14.4V DC (11–16V allowable)
Operating Temperature: -20°C to 70°C (-4°F to 158°F)
Power Output: 20W RMS x4 (Primary amplifier ratings per CEA-2006 standard
Power output measured at 4 Ohms and < 10% THD+N)
S/N ratio: 107 dBa (reference: 1W into 4 ohms)

Audio Output Level
Front, rear preamp outputs: 2V/10k ohms (max)

FM tuner
Frequency range: 87.7 – 107.9 MHz
Sensitivity: 11 dBf (0.8 uV/75 ohms)
Signal-to-noise ratio: 60 dB

AM Tuner
Tuning: 530 – 1,170 kHz
Sensitivity: 25 uV/20 dB

USB
USB Standard: USB 1.1/2.0
Max Current Supply: 1.0 A
USB Class: MSC (Mass Storage Class)
File System: FAT 16/32, NTFS
File Playback: MP3

Bluetooth
Version: Bluetooth 3.0
Output Power: +4 dBm Max. (Power class 2)

Rear View Camera:
Composite video

Chassis
Width: 178mm (7")
Height: 100mm (3.94")
Depth: 148.7mm (5.85")
Weight: 1.05kg (2.32 lbs.)