



Q U I C K - I N S T A L L E D P R O T E C T I O N



BELTRONICS
PERFORMANCE RULES™

Beltronics RX45 Comes Complete

Front Radar/Laser Receiver

- Miniature weather-proof Radar/Laser Receiver
- Universal mounting bracket with stainless steel hardware
- Built-in 16 foot shielded cable with water proof connector
- 12 nylon wire ties to secure cable

Miniature Display Controller

- Display Controller mounts easily to instrument pod, dashboard or console
- Optional hidden display included

Interface

- Central module connects to switched 12-volt power and ground
- All components plug directly in using modular connections
- 3M connector taps into existing vehicle wiring

Documentation

- Comprehensive Owner's Manual
- Installation Manual

Built-in Diagnostics

- Confirms all components are operational
- Fully compatible with Laser Shifters

BELTRONICS®

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Important Notes

► Read This First

Please read both sides of these instructions before starting your installation.

For the easiest trouble-free installation, install the Interface first, and wire it to a 12-volt switched circuit.

Then before installing the other components, plug all of them into the Interface and power up the unit to confirm proper operation.

12-volt installation experience is suggested

1 Installation of this system requires some experience and expertise in automotive electronics. Car Audio specialists and many new car dealers can install this for you.

2 If you choose to install it yourself without expertise in automotive electronics, please note that it can cause personal injury or damage to your vehicle.

3 If your vehicle is damaged during installation, its safety systems may be compromised and could cause personal injury or property damage.

4 Improper installation may also void RX45's warranty.

Performance Warning

To get the best possible performance, installation of the Radar/Laser receiver is critical. Although radar signals will pass through some materials, including plastic, laser signals will not. For this reason the receiver must have a clear view of the road in order to work properly.

NOTE: INSTALL THE RECEIVER HORIZONTALLY AND LEVEL, WITH A CLEAR VIEW OF THE ROAD.

Beltronics RX45 Installation Manual

A Front Radar/Laser Receiver

1 Determine the best location for the Radar/Laser Receiver. The best location is typically under the bumper, or inside the front grill of the vehicle. For the best performance, install the Receiver horizontally, with a clear “view” of the road.

2 Using the built-in mounting holes on the Receiver, or the supplied right-angle mounting bracket, mark the hole locations. Drill pilot holes in the vehicle if necessary.

3 Mount the Receiver using the supplied hardware. (If right-angle mounting bracket is used, secure the Receiver to the right-angle bracket first, then install bracket with Receiver to the vehicle.)

NOTE:

1. Do not drill holes in the receiver itself.
2. Thoroughly investigate location before drilling any holes.
3. Keep all cables away from moving parts, and hot surfaces (radiator, hoses, etc.).
4. Do not splice cable.

B Receiver Cable

1 Connect the receiver cable to the receiver.

2 Route cable through the firewall, and secure with zip-ties (included).

3 Route receiver cable into the vehicle’s interior. If there is not a suitable opening, drill a 13/32” or 7/16” hole.

4 Pull cable through firewall, and plug connector into the jack labeled “Antenna” on the Interface.

5 Pull cable through the firewall and seal the hole as needed. Use silicone sealant (not supplied) if necessary.

NOTE:

1. Only drill hole in firewall after thoroughly investigating location first, ensuring no other wires, hoses, etc. will be damaged.
2. Keep all cables away from moving parts, and hot surfaces (radiator, hoses, etc.).
3. Do not splice cable.

C Display Controller

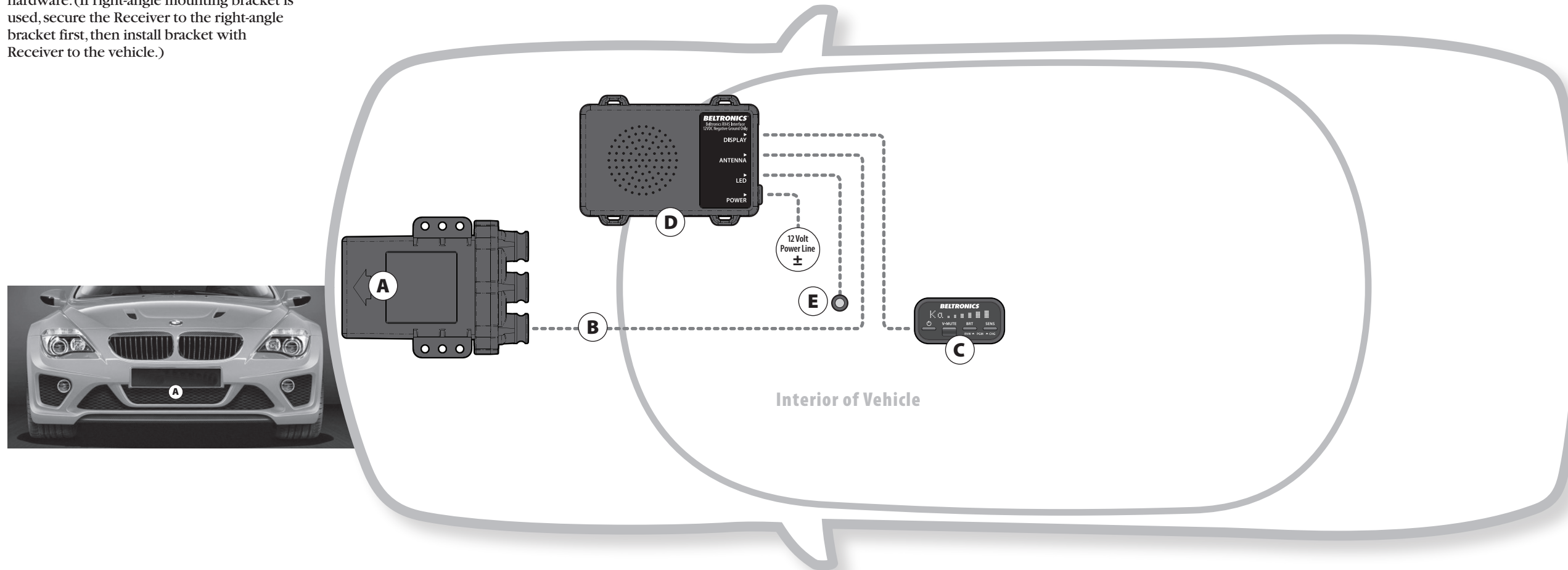
1 Determine the best location for the Display Controller in the vehicle’s interior. (Consult customer if necessary.)

2 Remove paper backing on the backside of the display and apply to a clean dry surface.

3 Route display cable and plug into jack marked “Display” on the Interface.

NOTE:

1. Make certain that the Display is clearly visible from the driver’s position, and that the controls can be easily accessed without interfering with normal driving.



D Interface

1 Install Interface under the dash using supplied zip-ties. **DO NOT MOUNT IN ENGINE COMPARTMENT.**

2 Connect black wire (-) to ground, and red-striped wire (+) to a switched 12-volt supply. (If RX45 is left in the “on” position, it will automatically power on and off with the ignition). Use blue 3M connector (provided) to tap into existing circuit if needed.

3 Receiver and Display Controller plug into the Interface. Be sure to plug all cables into the correct jacks.

E Concealed LED Display (Optional)

If a more discreet display is preferred the included LED can be installed:

1 Drill a 1/4” hole, and install the LED clip.


2 Snap LED into clip from behind.

3 Plug the modular connector into RX45’s Interface marked “LED.”

F TEST

After all components are installed correctly:

1 Turn vehicle’s ignition to the “on” position.

2 Turn RX45 on by pressing the power button  located on the front of the Display Controller.

3 RX45 will cycle through a short startup sequence.

4 If any error messages come up, see the Owner’s Manual for details.