

Installation Manual

EDACS[®] ALLEGRA
VEHICLE HANDSFREE

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The VEHICLE HANDSFREE INSTALL Package allows a portable radio to be used in a vehicle. The radio operates as usual in the handsfree unit, except that it uses an external microphone and speaker, and its internal microphone and earpiece are disabled.

The HANDSFREE unit uses the vehicle's battery to power the radio and charge its battery (standard or slimline only).

SPECIFICATIONS

Input Voltage	11-16 Vdc /1.7A
Charging	
Temperature Range	40° F To 100° F

WHAT'S IN YOUR PACKAGE

The package includes the following:

- Connection box
- Handsfree holder
- Antenna cable
- Speaker and speaker cable
- Swivel mount
- Microphone and clip
- Battery cable
- Fuse kit

INSTALLATION

MOUNTING THE CONNECTION BOX

The connection box links all parts of the HANDSFREE unit and connects them to the vehicle's power. To install the connection box, follow the steps below.

1. Find a surface for mounting the connection box. It should be hidden but accessible. Do not install it under the vehicle carpet. Locate it so that

cables do not interfere with movement in the vehicle.

2. Use the mounting holes in the unit as a template to mark the holes. Before you drill: avoid damaging the vehicle by checking for hidden parts below the mounting surface and checking to see how far the screws extend.
3. Drill the holes and mount the unit using the Phillips head screws in the package.

WIRING THE CONNECTION BOX TO THE VEHICLE'S BATTERY

1. Connect the fuse holder to the battery with the red wire and washer connector.
2. Connect the black wire of the battery cable to ground with a washer connector.
3. Route the battery cable from the battery to the connection box and insert it into the battery cable jack.
4. Insert the 5 Amp fuse securely into its holder.

MOUNTING THE HANDSFREE HOLDER

Follow the steps below to attach your holder in either a stationary or swivel mount. Find a location where the holder can be mounted within easy reach of the driver, but will not obstruct the driver.

1. Place the mounting bracket in position and use it as a template to mark the holes. Before you drill: avoid damaging the vehicle within easy reach of the driver, but will not obstruct the driver.
2. Use a screwdriver to pry open and remove the cover plate on the inside surface of the holder.

3. Push the holder onto the mounting bracket. Fasten the holder and mounting bracket together with the long screw in the package. The screw goes through the hole in the swivel ball inside the mounting compartment and onto the mounting bracket shaft.

4. Adjust the swivel tension using the Phillips screw at the top of the plate cavity inside the holder. Snap the cover plate back into place.
5. Route the system cable from the holder to the connection box. Be sure the cable does not interfere with movement inside the vehicle. Plug the cable into the 16-pin receptacle on the connection box.

MOUNTING THE SPEAKER

1. Find an out-of-the-way location about 3 feet from the microphone.
2. Before mounting the speaker, temporarily place it where you plan to mount it and plug it into the connection box. Temporarily connect the microphone

about 8-12 inches from the driver's face and place a call. Do not point the speaker toward the microphone. If you hear squealing (feedback) during the call, move or turn the speaker until the squealing stops. Mount the speaker near enough to the driver that it can be heard over the sound of the moving vehicle.

3. Use the speaker bracket as a template to mark the holes. Before you drill: avoid damaging the vehicle by checking for hidden parts below the mounting surface and checking to see how far screws extend. Drill the holes, mount the bracket, attach the speaker, and route the wire out of the way.

4. Plug the speaker into the jack on the connection box under the speaker icon.
2. Before mounting the microphone, plug it into the connection box, place it where you plan to mount it, and place a call. If you hear squealing or howling during the call, move the microphone. Keep the microphone away from windows, vents, or other sources of noise.
3. Use the visor clip or adhesive material to mount the microphone. Attach it so that the larger slots on the bulb face the driver.
4. Plug the microphone into the jack on the connection box under the microphone icon.

MOUNTING THE MICROPHONE

1. Find an out-of-the-way location about 8-12 inches from the driver's face and 3 feet away from the speaker.
- NOTE:** Be especially careful not to pull microphone cable or accidentally cut with installation tools.

EXTERNAL ANTENNA

An external antenna greatly improves the portable's performance in the Handsfree Unit. To connect the holder to an external antenna, use the antenna cable in the package.

Attaching the Antenna Cable to the Holder

1. Remove the plastic insert from the antenna connection slot at the top of the holder.
2. Press the small connector of the antenna cable into the slot until it snaps into place.
3. Press the antenna cable tightly into the groove along the back of the holder.

4. Attach the TNC connector on the antenna cable to the connector on the external antenna cable.

NOTE: Do not install the antenna cable without installing an external antenna. The antenna cable disables the portable's antenna. An external antenna must be connected or the user will be unable to place or receive calls while the phone is in the cradle.

TROUBLESHOOTING

RADIO PROBLEM	PROBABLE CAUSE	REMEDY
The LED does not light when the vehicle power is supplied.	The holder is not receiving power, or vehicle power polarity is reversed.	Check the power connections and fuse. Be sure the phone battery is charged.
The portable functions outside the holder, but not in the holder.	Radio is not properly seated in the holder, or the system connector contacts are dirty, or the external antenna is disconnected or defective.	Be sure the phone is properly seated. If system connector contacts are dirty, carefully clean them.
The other party of the radio connection cannot hear sound.	The microphone jack is not inserted into the connection box.	Clean the microphone plug and insert it into the connection box.
No audio	The speaker jack is not inserted into the connection box.	Clean the speaker plug and insert it into the connection box.

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