Advance**Blue**™

Installation and User Manual
Bluetooth Car kit
Part No. AT8000A

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Menu

The Bluetooth Wireless Car Kit (Model # AT8000A) includes:

1. AT8010A		LCD Display
2. AT8011A		Mounting Post with suction cup
3. AT8012A		4 Piece mounting bracket
4. AT8013A		Control Module
5. AT8243A		Junction Box
6. AT8230A		Visor Microphone
7. AT8229A		Visor Microphone
8. AT8231A		Speaker
9. AT8232A		DC Power cable

Optional Extras

1. AT8110A		Mini USB Rapid Charging cable
2. AT8111A		Micro USB Rapid charging cable
3. AT7107A		Privacy Handset with Cradle

Note! **A properly installed Hands-free Car Kit will minimize service calls and equipment downtime. Because of the wide variations in vehicle design, these instructions should be modified to suit each particular installation.**

Before beginning the installation process, determine the locations for the mounting of the LCD Display, Mounting Post with suction cup, Control Module, Visor microphone, Speaker and Junction box.

Consider the following guideline when planning the installation:

- **DO use all mounting hardware provided.**
- **DO ensure that cables are not placed under stress.**
- **DO follow proper + and - connections.**
- **DO crimp connectors securely.**
- **DO NOT attach components to any part of the vehicle that is not rigid or is subject to excessive vibration.**
- **DO NOT install components in areas where rain or snow can easily get into them, such as next to a vehicle window, which may be left open.**
- **DO NOT pass cables over sharp edges that could cause wear or tearing of cable insulation.**
- **DO NOT install components in locations where they might interfere with the vehicle operator or operating controls.**

! WARNING

VEHICLES EQUIPPED WITH AIR BAGS
An air bag inflates with great force. DO NOT place objects, including communications equipment, in the area over the air bag or in the air bag deployment area. If the communication equipment is improperly installed and the air bag inflates, this could cause serious injury.

It is recommended that the installation of the vehicle communication equipment be performed by a professional installer/technician trained in the requirements for such installations. An air bag's size, shape and deployment area can vary by vehicle make, model, and front compartment configuration (for example, bench seat vs. bucket seats). Contact the vehicle manufacturer's corporate headquarters, if necessary, for specific air bag information for your vehicle.

INSTALLATION INSTRUCTIONS

A. Speaker Installation

1. Mount the Speaker beneath the dashboard, on the passenger's side of the vehicle out of the way of the passenger.
2. The Speaker should be located more than four feet from the driver.
3. Do not mount the Speaker on the dashboard or the rear window shelf.
4. The Speaker includes a mounting bracket which is used to permanently mount the Speaker in place while permitting it to be tilted to a desired angle.
5. Loosen the thumbscrews on the side of the Speaker and using the mounting bracket as a template, drill the necessary mounting holes and secure the bracket with the self-tapping screws provided.
6. Position the Speaker on the mounting bracket and secure it by tightening the thumbscrews.
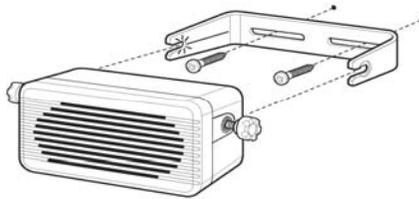
Diagram 1

B. Junction Box Installation

1. Mount the Junction Box with the screws provided to permanently install the Junction Box beneath the dashboard on the passenger's side of the vehicle or on the center side post, between the front seats.
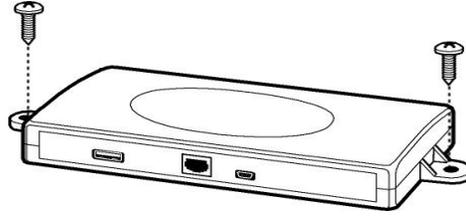
Diagram 2

2. The Junction Box must be protected from dirt and moisture and must be afforded adequate space for cooling. There must be sufficient space to allow for connection of all cabling.

| Visor Microphone | Speaker | Display Monitor | Privacy Handset | Power Jack |

Diagram 3

| Rapid Charger | Control Module | Hardware Upgrade |
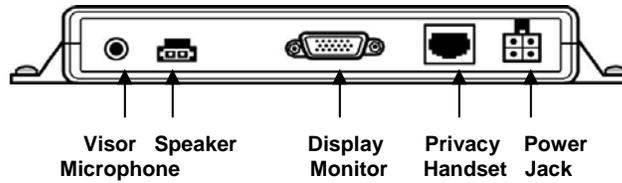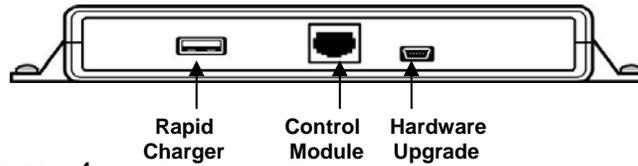
Diagram 4

3. Route the cables out of the way to avoid physical or visual obstruction. Allow sufficient slack in the cable to allow smooth operation of all controls.
4. Connect the Control Module, Speaker, Visor Microphone, Display Monitor and Power cable connectors to their respective corresponding connectors in the Junction Box, as shown in Diagram 3 above.

C. Power Cable installation

1. Route the black lead of the main power cable to convenient chassis ground and the red lead to the positive supply voltage connection points. If it is necessary to penetrate the firewall, use an existing opening.

Caution!

1. The Hands-free unit should be used with a negative ground system only.
2. If necessary, drill a new hole approximately 9/16" (3.5cm) in diameter. Make sure that there is enough clearance on the opposite side. Insert a grommet into the hole to prevent damage to the power cable.
3. Cut the black lead to the desired length.
4. If the connection is being made under the dash or in the vehicle cabin, connect the black lead directly to the chassis of the vehicle..

Note! Do not connect the black lead to the negative (-) battery terminal. The car could be damaged if there were a malfunction in the vehicle's electrical system.
5. Cut the red lead to the desired length. This lead will be connected such that it has positive supply voltage at all times, even when the vehicle is turned off.
6. If the connection is being made under the dash or in the vehicle cabin, connect the red lead to a positive supply voltage point.
7. If the connection is being made in the engine compartment or directly to the battery, connect the in-line fuse holder between the red lead of the power cable and the desired positive voltage connection point.
8. Route and connect the green lead to a convenient ignition switch supply point in the vehicle.

Green-To Ignition Switch
Orange-To Vehicle Stereo
Black-To Vehicle Chassis Groud
Red-To Vehicle Supply Voltage
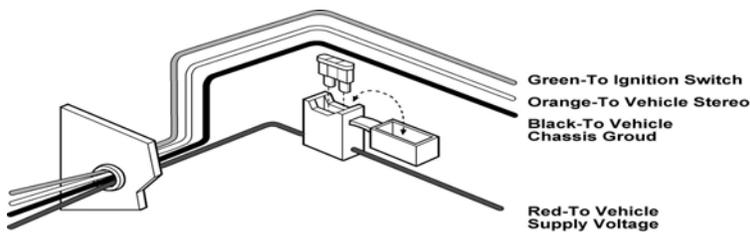
Diagram 5

Entertainment Mute
If the vehicle's stereo system supports an external muting feature, route and connect the orange wire to the car stereo system.
Otherwise, the orange wire may be left unconnected and cut off or tied out of the way.

NOTE! The Car Kit supports an "Entertainment Mute" function when connected to a car stereo system that provides for external muting. This function is compatible with systems that mute the audio output when the control line is connected to ground

D. Mounting of the Control Module

1. The Control Module can be attached to the gear lever, parking break or other similar devise with the Velcro strip supplied as shown.
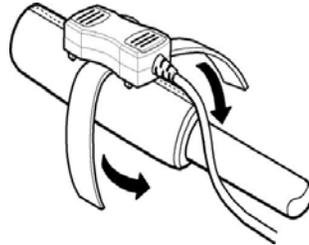
Diagram 6

2. To attach the Control Module to a flat surface, remove the Velcro by pulling on one end of the Velcro to slide it out. Screw the flat ribbed plate supplied with the Control Module in position in a convenient place (with the ribs facing up) within easy reach of the driver, using the 2 screws supplied. Align the Control Module over the ribbed flat plastic and press down until it snaps firmly into place.
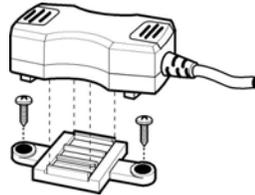
Diagram 7

3. Once attached, pass the surplus cord out of the way so that it is not visually or physically obstructive.

Caution! Make sure that there is sufficient slack in the cable to allow the free movement of what ever it is attached to, without stretching the Control Module cable.

E. The Microphone installation

Selecting the correct position for the microphone is vital for the successful performance of the hands-free unit.
1. The Microphone should be mounted either on the sun visor directly above, and facing, the driver or on the headliner just above.
NOTE! The microphone has a noise cancellation function and so the point as indicated in Diagram 8 below must face directly towards the driver. If it does not face the driver, the driver's voice will not be heard.
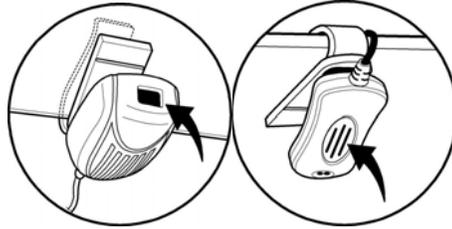
Diagram 8

NOTE! The car kit is supplied with one of the above two microphones. They are both designed for the car kit and both work equally well
2. To avoid visual or physical obstruction, route the microphone cable down inside the door frame molding. Allow sufficient slack in the connector end of the cable to reach the Junction Box.
3. Plug the connector side of the external microphone cord into the Junction Box as shown in diagram 3 above.

F. Display Monitor Installation

Note: Two options are included for mounting the Display Monitor

1. Slide the flat end of the suction cup mounting post or the flat end of the flexible mounting bracket (both supplied) into place on the back of the Display Monitor.
2. Attach the suction cup onto the front wind shield or the flexible mounting bracket in a convenient position, (as the case may be) ensuring that the Display Monitor does not obstruct the drivers view. Dress the surplus cord out of the way. See Diagram 9 over the page.
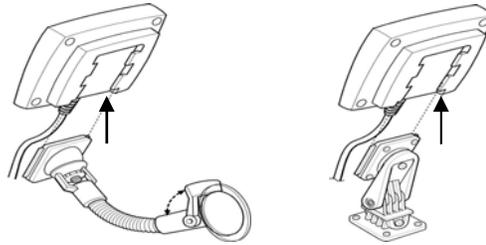
Diagram 9

NOTE: *Before operating the Bluetooth car kit it is important to familiarize yourself with the operation of the Control Module as shown.*

SEND/Answer

Scroll

Push to Select

END/Escape
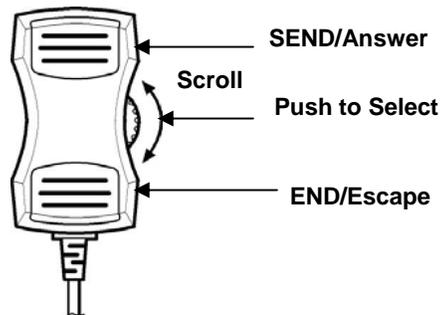
Pairing the phone to the Bluetooth Car Kit.

Before you can use this car kit, you must link (pair) it to your phone.

NOTE! This Bluetooth Car Kit can only be used if you have a Bluetooth enabled phone.

Initial Pairing

1. Turn on the car ignition and the Car Kit will power on. The software version will be displayed on the monitor.
2. Enable the Bluetooth mode on your phone.
3. On the Control Module, press the Scroll Wheel to select the Main Menu/Settings/New Pair (wait for message to appear.)

ADVANCETEC

Main Menu
Voice & Speed   Dial
Call Log & Dial
Phone Book
Inbox SMS
Settings
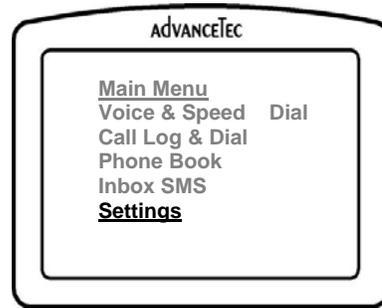
4. **On your phone, select the relevant option to look for a new device.**
5. **After the phone completes the search, it will display "AdvanceTec"**
6. **Select "AdvanceTec" and you will be requested to enter a pass code.**
7. **The default Pass Code is"8888".**

ADVANCETEC

Settings
Paired Phones
New Pair
Brightness
Load Phone Book
Volume Set
Phone Mode
Software
Reset System
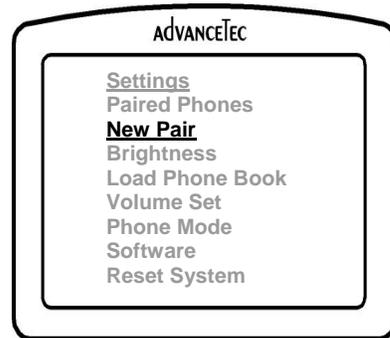
8. After successful paring, your phone's name will show on the monitor.
If not, go to Main Menu/Settings/Paired Phones and check if your phone
name appears.
If yes, select your phone name and select connect.

```
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        1. Motorola
        2. Blackberry
        >> iPHONE
        4  Nokia
        5. Samsung
```
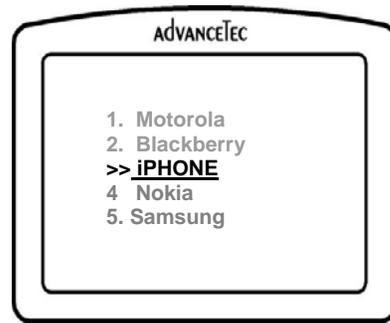
If your phone's name does not appear then you should retry pairing.
9. Once you have set up the paired link between your phone and the Car Kit, the Car Kit will remember your phone's ID and will automatically connect when you next enter and start your vehicle.

Disconnecting Bluetooth connection

The phone automatically disconnects when you are beyond the 10 meter range of the car kit. To manually disconnect, use one of the following methods:

Method 1: (Using your Monitor)
1. Scroll through Main Menu/Settings/Paired Phones.
The Paired phone is marked >>
2. Select Paired phone and then select Disconnect.

Method 2: (Using your phone)
1. Scroll through the Main Menu of your phone and select Bluetooth.
2. Set to OFF. Disconnect will appear on the phone screen. Select OK.

Re-Connect Phone

Program your phone for "Auto Connect". For this function consult your phone manual.

1 .If the phone is already paired and was not manually disconnected when exiting the car, it will automatically reconnect when you next enter the car.
2. If the phone does not automatically reconnect, (a function of some phones) you will receive a request to reconnect on the phone screen. Select OK.
3. If the phone does not automatically reconnect and a request does not appear on the phone screen, scroll on your monitor through Main Menu/Settings/Paired Phones and select your phone, then select connect.

Phone Book Download

1. To download the phonebook of your phone onto the Monitor, scroll to Main Menu/ Settings/ Load Phonebook.

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Main Menu
Voice & Speed Dial
Call Log & Dial
 Phone Book
 Inbox SMS
Settings

AdvanceTec

 Settings
 Paired Phones
New Pair
Brightness
Load Phone Book
Volume Set
Phone Mode
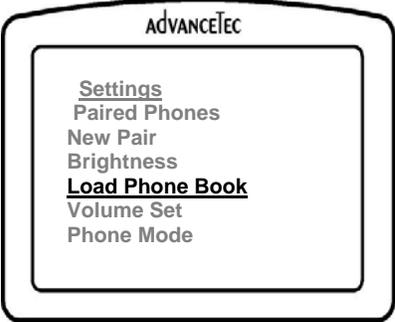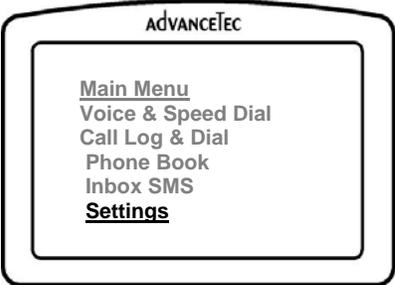
1. To download all your entries select Sim & Phone

AdvanceTec

Load Phone Book
Sim Only
Phone Only
Sim & Phone
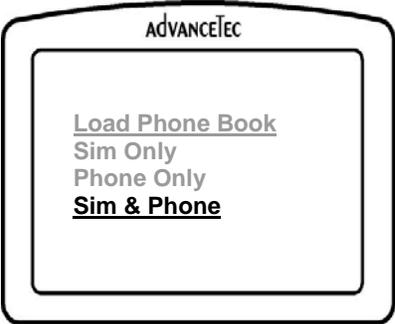
2. Select Start. The number of entries loading will count until all entries are downloaded. The final number showing will be the number of entries downloaded.
Up to 1000 contacts can be downloaded for pair number 1.
Up to 1000 additional contacts are shared between the users 2-5.
3. If 2 or more users share the same car kit, then user 2-5 will have to reload their phone book each time they wish to access it. The car kit will save the phone book of the last phone paired.
4. Select Cancel to stop download if no activity was noted after 1 Minute

NOTE: If the downloading process starts and then stops, this is an indication that the Car Kit does not support this function with your particular phone.

Receiving call

1. To answer a call press "SEND/Answer"
2. To reject a call press "END/Escape"
3. Caller ID will show on the display if the caller's name and phone # has been entered in the Monitor phonebook. If the name and phone # of the caller has not been entered, the caller's phone # or "Unknown" will show.

Call Waiting

1. During a call in progress you can accept an incoming call by pressing "SEND/Answer"
2. To reject an in coming call press "END/Escape"
3. To scroll between 2 calls press "SEND/Answer" The active call will be highlighted.
4. To end an active call press "END/Escape"

Making a call.

A call can be made in the following ways:

1. Manually Dialing:

1. Use the Scroll Wheel to display the Main Menu/Call Log & Dial / Dial and select.
2. Select the desired numbers to dial and press "SEND/Answer"

```
                 AdVANCETEC

            Main Menu

            Voice & Speed Dial
            Call Log & Dial
            Phone Book
            Inbox SMS
            Settings
```
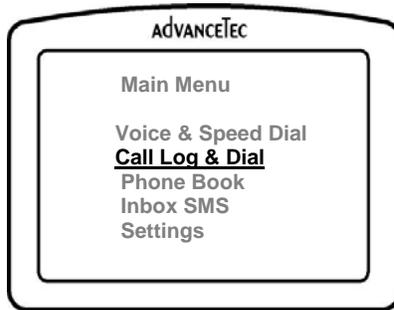
2. Recent Calls Dialing:

1. The last 10 Dialed and last 10 Received call numbers will be saved to the Dialed Calls and Received Calls
2. Using the Scroll Wheel select the desired location and press "SEND/Answer".
3. To end the call press "END/Escape".
4. You can delete all your Received or Dialed call logs by selecting Main Menu/Call & Log. Then select Delete Out log or Delete In Log.

3. Phone Book Dialing:

Use the Scroll Wheel to display the Main Menu/Phone Book. Scroll to the desired Name, Select then use "SEND/Answer" to start a call.

```
                 AdVANCETEC

            Main Menu
            Voice & Speed Dial
            Call Log & Dial
            Phone Book
            In Box SMS
            Settings
```
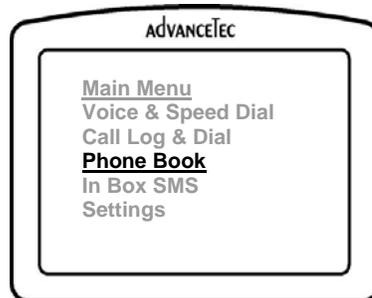
4. Voice Dialing:

ONLY available with voice activated phones

Scroll to Main Menu/Voice & Speed Dial/Voice Dialing and select.

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Main Menu
Voice & Speed Dial
Call Log & Dial
Phone Book
Inbox SMS
Settings

ADVANCETEC

Voice and Speed Dialing
Voice Dialing
Speed Dialing
Speed Edit
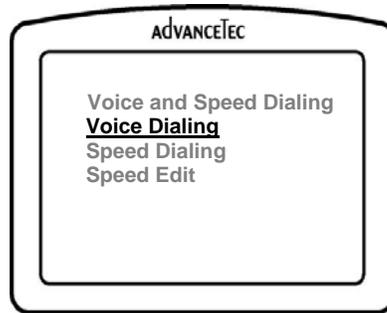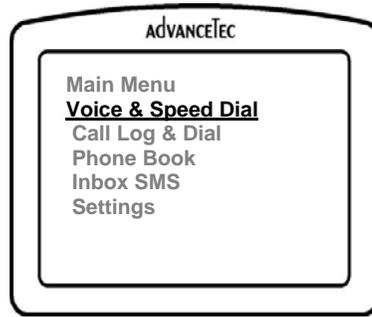
Shortcut option:

From idle state press and hold down "END/Escape" key for 3 seconds.

You will be prompted to "SAY A COMMAND"
Use the voice dialing feature of the Car Kit in the same way as you would with your phone.

5. Speed Dialing:

The Speed Dial facility holds 28 numbers for each paired phone.
Five different phones can be paired to the car kit at one time.

To enter a New Contact to the speed dialing you have 2 options:

1.　**In Main Menu/Voice & Speed Dial/Speed Edit. Scroll to an Empty location and select.**

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Voice & Speed Dial
Voice Dialing
Speed Dialing
Speed Edit

AdvanceTec

Voice & Speed Dial
Voice Dialing
Speed Dialing
Speed Edit
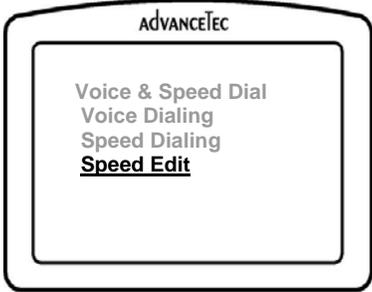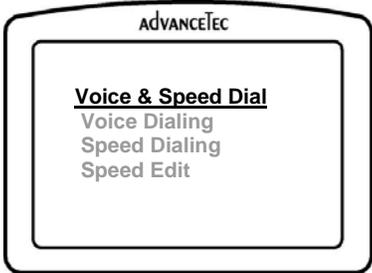
**Select "Edit Name", scroll through the letters and type the name.
Press "END/Escape" to return to the Speed Edit Screen.**

AdvanceTec

Edit Speed .01
Joe Moore
Edit Number

PASTE   SAVE   DEL
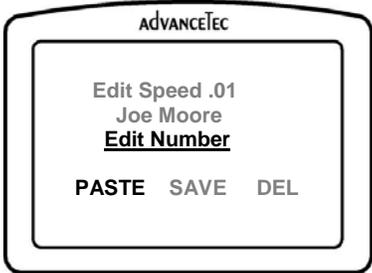
**Select "Edit Number", and scroll through the numbers and type
the desired phone number.
Press "END/Escape" to return to the Speed Edit Screen.**

To save the contact select "Save" before exiting.

```
ADVANCETEC

   Edit Speed .01
     Joe Moore
   Edit Number


 PASTE   SAVE    DEL
```
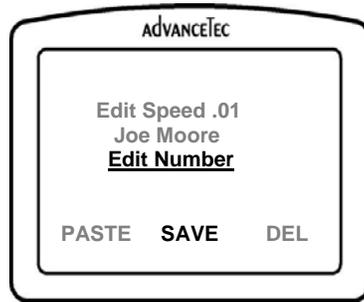
2. Using Copy and Paste.
   You can copy a contact from Phone Book, Dialed Calls or received Calls.

```
ADVANCETEC

   305 555 5555
    Joe Moore


 Copy        SEND
```
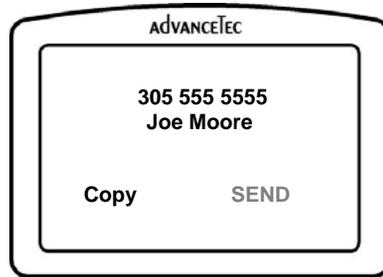
Paste it in a speed dial location.

```
ADVANCETEC

   Edit Speed .01
     Joe Moore
    Edit Number


 PASTE   SAVE    DEL
```
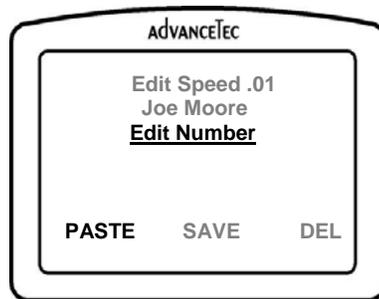
To save the contact, select "Save" before exiting.

To Dial from the Speed Dial memory you can:

1. Scroll to Main Menu/Voice & Speed Dial/Speed Dialing. Scroll to the desire location and press the scroll wheel to select or "SEND/Answer"

2. Push and hold down "SEND/Answer " until the Speed dial menu appears.

Press the scroll wheel to Select.

Advance Features available during an active call

There are 3 features available during an active call

1. Changing Volume. (Speaker symbol) Adjust volume Up (+) or Down (-) by rotating the Scroll Wheel

2. Dialing numbers   (key board symbol)

3. Phonebook access (Book symbol)
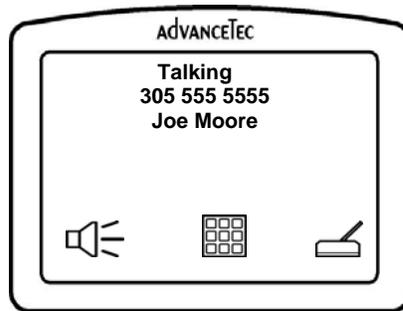
Select each of the above options using your control wheel.
Go back to your previews option by pressing "END/Escape".

Incoming SMS (Text Messaging)

1. Once the phone is paired the car kit will be in the Stand By mode.
2. In the Stand By mode, an incoming SMS (Text Message) will show on the Monitor with an envelope and down arrow.
NOTE: SMS (Text Messaging) function is only be available if your phone supports SMS
 3. To read the message, click on the envelope by scrolling to the envelope with the control module and press on the scroll wheel
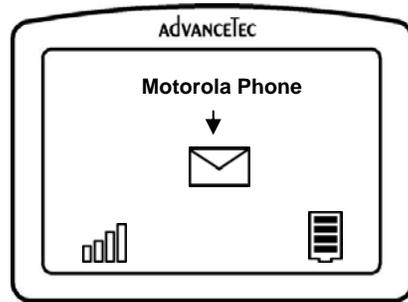
Old & New SMS (text messaging)
To read an Old or New SMS (text messages) select Inbox SMS on the main menu
Note: Once the New Messages are loaded, they will automatically be moved to the Old messages directory.
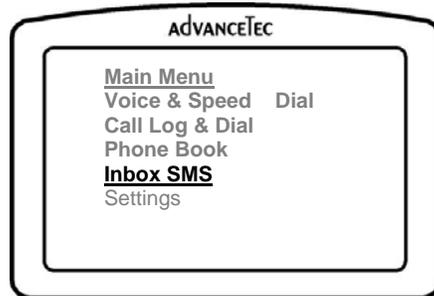
Select to read New or Old SMS
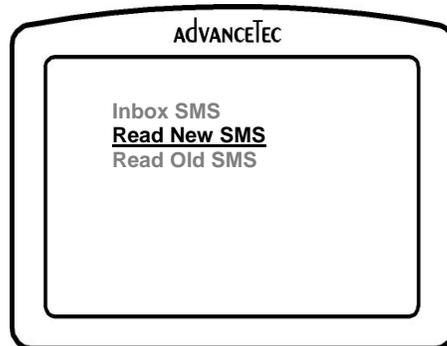
The following additional settings are accessible through the SETTINGS menu:

```
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           Settings
           Paired Phones
           New Pair
           Brightness
           Load Phone Book
           Volume Set
           Phone Mode
           Software
           Languages
           Reset System
```
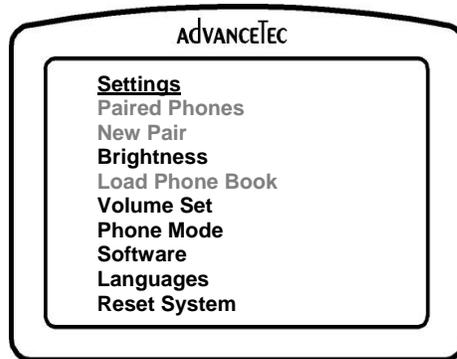
Brightness   Monitor brightness settings from 0 -100% in 10% increments

Volume Set   Adjust from 0 – 7

Languages   Choose English, Spanish, German or French

Phone Mode   If some features do not work in Mode 0, try Mode 1.

Software   This is only needed when there has been an upgrade of the software.

The upgrade will be provided by AdvanceTec either in the form of a CD or on the www.advancetec.com website. Software can be upgraded via a standard USB connector to the Junction Box or a mini USB to the Monitor.

Reset System   This will reset the main board in the same way as after the unit is powered ON.
The resetting of the system will have the same effect as powering the unit ON and OFF.

Power disconnect

If the ignition is turned OFF and:
1. a call is in progress, the car kit will remain ON until the call is ended.
2. a call is not in progress, a count down timer will show on the monitor display showing the time until the car kit will turn off. To add additional time to delay the turning off, click on the timer icon with the Scroll Wheel
NOTE: When the car kit is OFF, the pressing of END/Escape will turn the car kit ON even if the ignition is OFF

Rapid Charging

1. To rapid charge your phone you will need to purchase the AdvanceTec rapid charger cable that matches your phone. Consult your sales person for the correct part number.
2. Plug the USB connector of the cable into the USB port on the junction box (See diagram 3 above) and the Mini or Micro USB (depending on your phone) connector on the other end of the cable into your phone
3. The battery symbol on the monitor will blink, indicating that your phone battery is being charged.

To Junction Box → ← **To Phone**

Privacy Handset

1. The Privacy Handset Part # AT7107A is available as an optional extra
2. Plug the privacy handset RJ45 connector into the corresponding plug as shown in Diagram 3.
3. To have a private conversation lift the handset and the audio will switch from the hands-free speaker to the handset.

4. When the handset is lifted an icon will flash in the right top corner of the display monitor indicating that the handset is out of the cradle

5. To resume a hands-free conversation, replace the handset into the cradle.

Specifications

Electrical Specifications
1. **Power input : 12VDC-24VDC**
2. **Operating temp:-20 ~+70**
3. **Storage temperature -30 ~+80**
 Charging
 Output: 5V, 450mA with the AdvanceTec charging cable
          5V , 100mA with a regular USB cable
Audio Specifications
1. **10W loudspeaker**
2. **Full duplex audio digital transmission**
3. **Noise suppressions écho cancellation DSP**
Bluetooth Specification
1. **Bluetooth 2.0+EDR**
2. **Tx Power: Bluetooth Class 2.**
3. **Frequency Band: 2.4G**
4. **Supports:**
    a. **Hands-free (HFP),**
    b. **Headset (HSP),**
    c. **Phonebook Access (PBAP) profiles.**
    d. **Supports SMS (with some of phones)**
LCD Specifications.
1. **Outside Dimensions : 103mm(L)*103mm(W)**
2. **Display font size: 6.09 mm**
3. **Format: 128x64dots**
4. **LCD mode: STN /Negative transmissive /Blue Mode**
5. **Viewing direction: 6 o'clock**
6. **Backlight color: Side White**
7. **Viewing area: 62.0mm(L)*44.0mm(W)**
8. **Dot size: 0.40mm(L)*0.56mm(W)**

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