



**AdvanceMobile™**

***VX1***

**Part # AT3550A**

**Installation / User Manual**



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The AdvanceTec AdvanceMobile™ VX1 is designed to provide secure and convenient vehicular communication on the iDEN network with optional GPS tracking.

The AdvanceMobile™ VX1 consists of:

- |                   |                                   |
|-------------------|-----------------------------------|
| 1. Part # AT8254A | Junction Box                      |
| 2. Part # AT8231A | Speaker                           |
| 3. Part # AT8230A | Visor Microphone (Visor Mic.)     |
| 4. Part # AT8232A | Power cable                       |
| 5. Part # AT8422A | Antenna Magnet Mount              |
| 6. Part # AT3512A | AdvanceMobile™ VX1 Control Module |

Optional Extras

- |                     |                             |
|---------------------|-----------------------------|
| 1. Part # AT8410A   | Palm Microphone             |
| 2. Part #AT7107A    | Privacy Handset with cradle |
| 3. Part #AT9298A    | Emergency Push Button.      |
| 4. Part # ATAT8408A | GPS Antenna                 |

**! Note**

A properly installed AdvanceMobile™ VX1 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 Visor Microphone, Speaker, Junction Box, and Magnetic Mount Antenna.

Consider the following guidelines 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 dress 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.
- ☐ DO NOT install the PTT where it will be difficult for the operator to reach.

## **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 the vehicle make, model, and front compartment configuration involved in your communication equipment installation.

## **! WARNING**

## **VEHICLES WITH ANTI-SKID BRAKING SYSTEMS**

For vehicles with electronic anti-skid braking systems, refer to the "Anti-Skid Braking Precautions," Motorola publication 68P81109E34. This publication can be ordered from Motorola® Worldwide Systems and Aftermarket Parts Department.

## **Operating the AdvanceMobile™ VX1**

### **The AdvanceMobile™ VX1 will allow:**

1. Calls to be made to up to 10 pre-programmed phone numbers.
2. Calls to the AdvanceMobile™ VX1 from the pre-programmed phone numbers. A call from a phone number not programmed will be rejected. *(This feature can be removed by AdvanceTec prior to shipment. Consult your AdvanceTec sales professional).*
3. A call to an additional emergency phone number with the optional-extra Emergency Push Button (See below)

## **Set up of the AdvanceMobile™ VX1**

The AdvanceMobile™ VX1 requires an activated iDEN SIM card, together with a DATA plan if GPS service is required. To purchase an activated SIM card, contact your local iDEN network provider sales representative or retail store.

## Installation of AdvanceMobile™ VX1

### 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. Do not mount the Speaker on the dashboard or the rear window shelf.
2. The Speaker should be located more than four feet from the junction box.
3. The Speaker includes a mounting bracket, permitting it to be mounted in a variety of ways. 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.

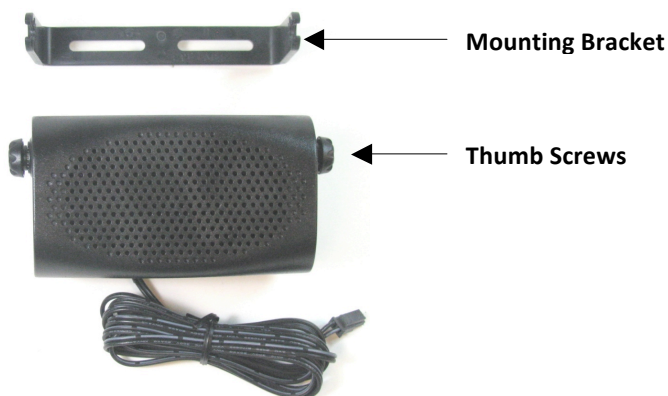


Diagram 1

4. Position the Speaker on the mounting bracket and secure it by tightening the thumbscrews. The mounting bracket is used to permanently mount the Speaker in place while permitting it to be tilted to a desired angle.
5. Feed the cable out of sight to the location where you intend to mount the junction box.
6. The speaker should be located at least 3 ft (1m) from the visor microphone. Avoid placing the speaker where it faces the visor microphone.

### B. Microphone Installation

1. The Microphone supplied has noise cancellation features and as such the selection of the correct position for the microphone is vital for the successful performance of the AdvanceMobile™ VX1
2. The Microphone should be mounted either on the sun visor directly above and facing the driver, or on the headliner just above and facing the driver.



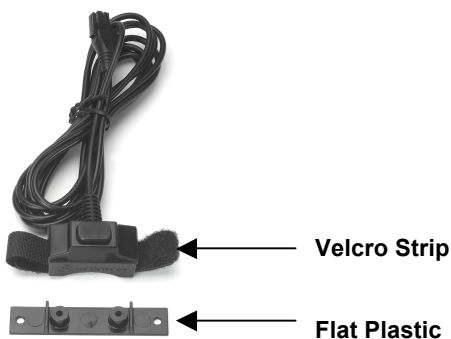
**Diagram 2**

3. The visor microphone has a noise canceling feature and must be mounted facing the driver as shown in the picture above.
4. To avoid visual or physical obstruction, route the microphone cable down inside the door molding. Allow sufficient slack on the connector end of the cable to reach the Junction Box.
5. Feed the cable to the location where you intend to mount the junction box.

**Note:** The microphone should not be mounted near a window or in a spot where road and ambient background noise would be substantially high (above 85dB SPL).

### **C. Mounting of the PTT**

1. To attach the PTT to the gear lever, strap the PTT around the gear lever using the Velcro strip attached, with the cord facing down.



**Diagram 2**

2. To attach the PTT to a flat surface, remove the 2 screws from the bottom of the PTT, which holds the Velcro strip in place. Remove the strips and replace the small plastic part that held the strips in place with the larger flat plastic part supplied with the PTT. Screw the new plastic part in place.

3. Feed the cable out of sight to the location where you intend to mount the junction box.

**Caution:** Make sure there is sufficient slack in the cable to allow the free movement of the gear lever without stretching the PTT cable.

#### D. Installing the Power Cable

**Caution:** The AdvanceMobile™ VX1 should be used with a negative ground electrical system only. Reverse polarity (positive ground) will trigger protection circuits which cause the cable fuse to open. Check the ground polarity before you begin the installation to prevent wasted time and effort. 12V DC or 24V DC automotive systems are directly supported

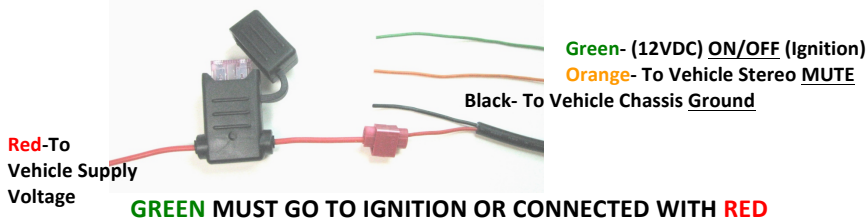
Determine the best cable route to the vehicle ignition for the Power Cable from the location where you intend to mount the Junction Box.



**Diagram 3**

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

2. If there is no existing opening, drill a new hole approximately 9/16" or 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. When making connections on the engine side of the firewall, additional in-line fuse holder (included) should be used at the connection points.



**Diagram 4**

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.
5. If the connection is being made in the engine compartment, connect the in-line fuse holder between the black lead of the power cable and the desired chassis connection point.

**Note!** Do not connect the black lead to the negative (-) battery terminal. The AdvanceMobile™ VX1 could be damaged if there were a malfunction in the vehicle's electrical system.

6. 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.
7. If the connection is being made under the dash or in the vehicle cabin, connect the red lead to a positive supply voltage point.
8. 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.
9. Route and connect the green lead to a convenient ignition switch supply point in the vehicle. If the green lead is not being connected to the ignition, it MUST be connected together with the red lead.

**Note!** An ignition switch accessory terminal can be verified by measuring the terminal while operating the vehicle's key switch. With the ignition key in the "accessory ON" position, the terminal voltage should measure the vehicle's battery voltage. With the switch in the "OFF" position, it should measure near zero

#### Stereo 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

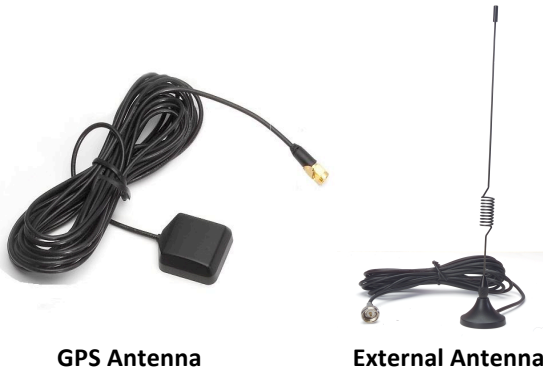
#### D. Mounting the Vehicular Antenna & GPS Antenna

1. Screw the antenna to the external magnetic (Mag) mount antenna base; both supplied with the AdvanceMobile™ VX1

2. Mount the Mag. Mount antenna or other external vehicular antenna (to be purchased separately if the supplied Mag. Mount Antenna does not fit your purposes).

**NOTE!** For best performance use a low-loss coaxial cable with the highest gain antenna.

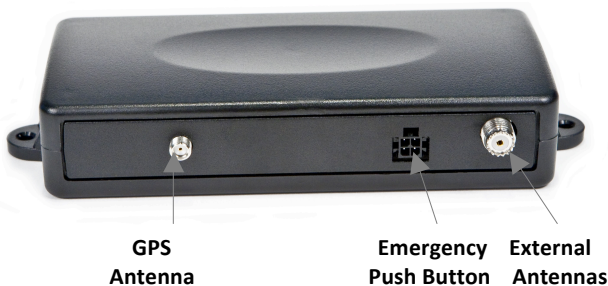
3. Position the antenna, maintaining a separation distance of at least 8 inches (20 cms) between the antenna and the body of any user and nearby person, to assure compliance with the U. S. FCC regulations on RF exposure.



**Diagram 5**

4 Connect the antenna cable to the external antenna connector on the junction box. See Diagram 6 below.

5. For GPS tracking, it will be necessary to purchase a GPS antenna, (available from AdvanceTec as an optional extra) and subscribe to the AdvanceTec proprietary web based GPS tracking software. For more information contact your AdvanceTec sales professional.



**Diagram 6**

6. Feed the antenna cables out of sight to the location where you intend to mount the junction box.

#### Inserting SIM into Junction Box

1. Open the SIM door cover on the bottom of the junction box by removing the screw holding it closed.



**Diagram 7**

2. Slide the metal SIM cover to the left and lift the cover.
3. Insert the SIM card under the metal cover and close the metal cover and slide to the right to lock. (See Diagram 8)



**Diagram 8**

4. Replace the SIM cover and screw it closed.

**NOTE:** The SIM card can not be inserted or removed while the Junction Box is powered. To remove or replace the SIM card after installation has been completed, the power cable must be disconnected from the Junction Box

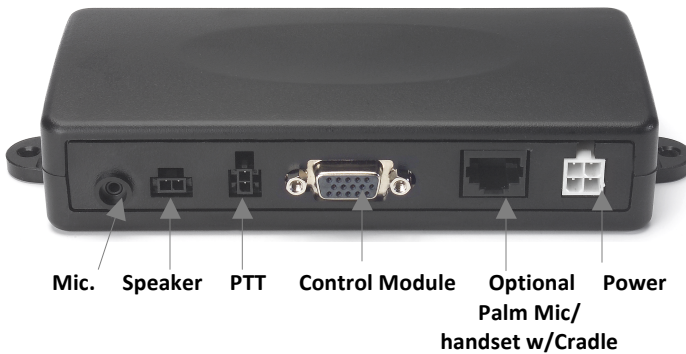
#### Connecting cables to Junction Box.



1. Locate a position for the junction box beneath the dashboard on the passenger's side of the vehicle or on the center side post between the front seats.

It 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.

2. **DO NOT** mount the junction box at this stage. First connect the Microphone, PTT, Speaker, Power cable and Control Module to their corresponding connections on the Junction Box as indicated in Diagram below.



**Diagram 9**

3. Connect the coaxial antenna cable to the corresponding connector on the opposite side of the Junction Box.
4. After connecting the power cable's connector to the Junction Box, cut in half the red wire attached to the fuse housing supplied. Cut the long red power lead to the desired length and connect (crimp) it to the one end of the wire to the fuse housing.
5. Connect the other end of the wire from the red fuse housing to the positive (+) side of the ignition. The fuse housing can be secured in place by using a plastic tie or screw through the hole in the fuse's plastic housing
6. Mount the junction box in place using the 2 mounting screws supplied.



**Diagram 10**

## Text Messages

1. Once the AdvanceMobile™ VX1 is powered and the activated SIM is inserted, it will begin the registration process onto the iDEN system. The

initial registration onto the iDEN system can take up to 3 minutes.

2. Once the registration is successful, 5 short beeps will be heard through the speaker.

3. After registration, the PTT and cell phone numbers with which the AdvanceMobile™ VX1 is to communicate, as well as any text messages which you may wish the AdvanceMobile VX1 to send, must be loaded.

4. The PTT and cell phone numbers can be loaded manually or with the Utility Software, available from AdvanceTec. The Text messages can only be loaded with the Utility software available from AdvanceTec. See below.

## Manually loading numbers

1. Power ON the AdvanceMobile™ VX1 and initiate a PTT or Cellular call to the AdvanceMobile VX1 from a phone with which you want the AdvanceMobile™ VX1 to communicate.

2. Select a channel 0-9 on the Control Module

3. When the incoming call is heard on the speaker, press and hold down the programming switch next to the SIM flap using a pen refill or similar devise. (See Diagram 11 below). If it is a PTT call, the PTT button and the programming button must both be kept depressed.

4. Successful programming of the number will be indicated by 5 short beeps through the speaker.

5. End the call by pressing the red END button.

6. Repeat this process until all the PTT or Cell phone numbers with which the AdvanceMobile™ VX1 will communicate have been loaded against the open channel numbers of the Control Module.



**Diagram 11**

**NOTE!** The Programming switch must be kept depressed until the programming has been successfully made and the beeps heard on the speaker.

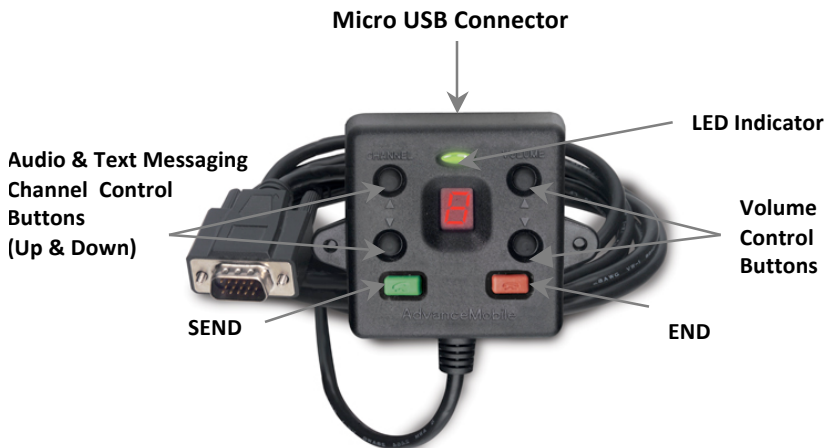
#### Erasing numbers entered

1. To erase a number entered, (with the unit powered) select the channel you want to erase on the Control Module
2. Press and hold down the programming switch as indicated above until 5 short beeps are heard on the speaker, which will indicate the successful erasing of that number

#### Erasing all numbers entered

1. To erase all the numbers entered, (without the unit being powered) press and hold down the programming switch as indicated above and then attach the power cable.
2. Keep the programming switch pressed down until a long beep is heard through the speaker. Keep the programming switch pressed down for a further 2 seconds until 5 short beeps are heard on the speaker. This will indicate the successful erasing of all the numbers.

#### AdvanceMobile™ VX1 Control Module



**Diagram 12**

The AdvanceMobile™ VX1 Control Module is used to:

**A. Program the phone numbers** with which the AdvanceMobile™ VX1 will communicate (via the Utility Software available from AdvanceTec) as well as the Text Messages.

- 1 Connect the USB connector of the **USB - Micro USB cable** supplied, to a USB slot of a computer.
- 2 Connect the Micro USB connector to the Micro USB receptacle at the top of the Control Module.

3. Load the Utility Software CD (part # 99005) supplied by AdvanceTec and follow the programming instructions in the Use Guide.
4. A different PTT number or cell phone number can be programmed on each of the channels. Once the number you want to store is entered press ENTER. The number will turn RED.
5. Once all the numbers have been entered, press the PROGRAM button to store the numbers.
6. On the right side of the screen you can now store different pre-set TEXT MESSAGES. Each Text Message is limited in length.
7. After each Text Message is entered, press the ENTER button and move onto the next Text Message. Up to 10 Text Messages can be stored.
- 8 Once you have entered all the pre-set Text Messages you wish to enter, press the PROGRAM button to store the Text Messages.

#### **B. Navigate through the channels.**

- 1 With the AdvanceMobile™ VX1 powered, press the UP or DOWN Channel Control Buttons. Channel numbers 0 – 9 will show in the Control Module screen.
- 2 When the desired channel is reached, press the Green SEND button to initiate the call.
3. To send a pre-stored Text Message, press both the Up and Down channel buttons at the same time. A green dot at the bottom of the LED window will light and the LED Indicator will change from GREEN to ORANGE.
4. When the desired Text message that corresponds with the number stored on the control module is reached, press the Green SEND button. The Text Message will be sent.

#### **C. Adjust the volume**

- 1 Press the Volume Control Buttons on the Control Module Up or Down to raise or lower the volume of the AdvanceMobile™ VX1.
- 2 After a volume button is pressed, a blinking dot will appear in the bottom right corner of the screen to indicate that it is in the volume mode. The Minimum volume is 0 and the Maximum is 7.
3. After the volume has been adjusted, the blinking dot will disappear to indicate that the unit is back in the channel mode.
4. The Channel and Volume selected will be saved when the AdvanceMobile™ VX1 is powered off, provided it was powered for 3 minutes after the selection was initially made. The selection saved will resume when it is next powered up.

If the Control Module loses communication with the main unit, 3 horizontal lines will show in the Control Module window.

### Making a Cell Call or PTT Call .

1. To a cell phone number. On the Control Module select the channel associated with the number you want to call and press the Green SEND button.
2. To a PTT number. On the Control Module select the channel associated with the number you want to call and press the PTT button.
- 3 When the call is answered, speak towards the visor microphone
- 4 To end the call press the Red END button.

### Answering an incoming call

1. To answer an incoming cell call, press the Green SEND button.
3. Speak towards the visor microphone.
4. To end the cellular call, press the RED END button.

### Turning OFF the AdvanceMobile™ VX1

1. When the car ignition is ON, the AdvanceMobile™ VX1 will stay on.
2. When the ignition is turned OFF and there is no active call in progress, the AdvanceMobile™ VX1 will turn OFF after 30 seconds.
3. The AdvanceMobile™ will remain on if an active call is in progress even if the ignition is turned OFF.

### AdvanceMobile™ VX1 Control Module LED indicators:

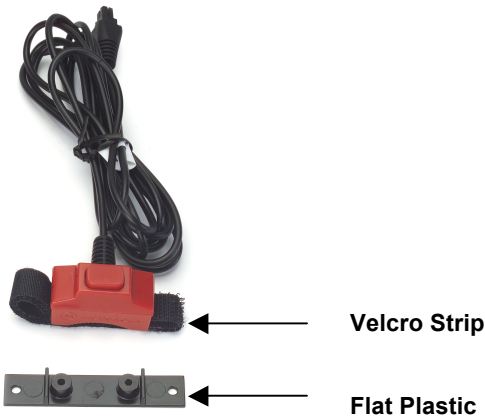
Steady RED	Unit not registered with the system
Steady GREEN	Unit registered with the system - OK
Orange	Call in progress
Alternating Green & Red	Data transmitting for GPS.

### Optional Extra Accessories

#### 1. Emergency Push Button (EPB)

An Emergency Push Button (EPB) is available as an optional accessory from AdvanceTec.

1. The EPB will provide an additional number onto the AdvanceMobile™ VX1. This emergency number can be Police/Fire or any other number that you may wish to store.
2. Once the EPB is pressed, it will immediately dial the Emergency number stored, irrespective of channel that is showing on the Control Module screen.
3. If the EPB is used in conjunction with the AdvanceMobile™ GPS, the pressing of the EPB will send a flashing ALERT message to the GPS screen and will then dial the emergency number programmed.
3. To attach the EPB to the gear lever, strap the Button around the gear lever using the Velcro strip attached, with the cord facing down.



**Diagram 13**

4. To attach the EPB to a flat surface, remove the 2 screws from the bottom of the button, which holds the Velcro strip in place. Remove the strips and replace the small plastic part that held the strips in place with the larger flat plastic part supplied. Screw the new plastic part in place.
  5. Feed the cable out of sight and plug in the 4 pin connector on the back junction box. See Diagram 6 above
- Caution: Make sure there is sufficient slack in the cable to allow the free movement of the gear lever without stretching the Button cable.

**Privacy Handset ( Part # AT7107A)**



**Diagram 14**

1. To use a Privacy Handset with the AdvanceMobile™ VX1, plug the connector on the end of the coil cord into the corresponding RJ45 receptacle on Junction Box. See Diagram 9 above
2. To answer an incoming call, lift the handset out of the cradle and use as you would a regular phone handset.
3. To terminate the call, replace the handset into the cradle.
4. To transfer and active call from the handset to hands-free mode, press and hold down the round button on the back of the handset and replace the handset into the cradle. Audio will be transferred to the speaker
5. If the handset is not placed in the cradle and there is no call in progress, a beep every second will be heard through the speaker.



**Palm Mic (Part # AT8410A)**

**Diagram 15**

1. To use a Palm Mic. with the AdvanceMobile™ VX1, plug the connector on the end of the coil cord into the corresponding RJ45 receptacle on Junction Box.
2. Press the button on the side of the Palm Mic. to answer an incoming call. Speak into the Palm Mic. The pressing of the side button of the Palm Mic. will disconnect the Visor Mic.
3. Release the side button of the Palm Mic. to transfer the outgoing audio from the Palm Mic. back to the Visor Mic.
3. To terminate the call, press the red END button on the Control Module.

## **Specifications**

### **Input/Output**

- ☐ Input voltage 10.5Vdc to 32V dc
- Ignition detection:
- ☐ Ignition "ON" 2.5Vdc to 32Vdc
- ☐ Ignition "OFF" 0V to 2.5V or OPEN
- ☐ Outputs Entertainment Mute
  
- ☐ Open Drain
- ☐ Continuous current capacity: 50Ma

### **Audio Specifications**

- ☐ RJ45 Supports, Palm MIC # AT8410A and Privacy Handset Part # AT7107A
- ☐ 2.5mm Stereo audio jack
- ☐ Speaker impedance: 4 Ohms 10W
- ☐ Microphone: Eco Canceling Noise Canceling (Use only AdvanceTec approved Visor Mic. part # AT8230A)

### **Communication Specifications**

- ☐ Full Duplex Communication
- ☐ Automatic Start up
- ☐ Antenna Impedance: 50 Ohms
- ☐ SIM card: 3 Volts
- ☐ SIM cars PIN: Programmed by user one time, automatically introduced
- ☐ Onward. PIN saved on Non-Volatile memory

### **Receiver Specifications**

- ☐ Frequency Range 851 min 870 MHz Max in the 800MHz band
- ☐ Frequency Range 935 min 941 MHz max in the 900MHz band
- ☐ Channel Spacing 25 N/A KHz
- ☐ Sensitivity (10% BER) – 111dBm max
- ☐ Strong Signal BER 0.1% max RF level = -80 dBm
- ☐ Overload Immunity 10% max on channel = \_20dBm
- ☐ Inter-modulation Immunity -45 dBm min Far-out interferers
- ☐ (On channel= -108dBm)
- ☐ Adjacent Channel Immunity -51 dBm min
- ☐ Spurious Response Immunity -51 dBm min
- ☐ Stability, unlocked 5 ppm max
- ☐ Stability, unlocked 1.9 ppm max



- ☐ Spurious Emissions per FCC requirements (3m)
- ☐ Conducted -57 dBm
- ☐ Radiated 500 uV/m
- ☐ Transient Response 0.01% BER during RX-TXRX
- ☐ Frequency Acquisition 0.01% max  $\pm$  220 Hz RF input
- ☐ Blocking Immunity 10% max

#### Transmitter Specifications

- ☐ Frequency Range min 806 max 825 MHz band
- ☐ Frequency Range min 896 max 900 MHz band
- ☐ Channel spacing 25 KHz
- ☐ Power 0.44W min 0.7W max. Pulse average power: basic
- ☐ Terminal class
- ☐ TX BER 0.7% max
- ☐ ACCPR @ 25 KHz 60 dB min
- ☐ Frequent Stability 5 ppm max Unblocked to base
- ☐ Spurious Emissions – 13dBm max per FCC and IPU-R requirements

#### GPS Specifications

##### GPS Module

- ☐ Sensitivity : -152 dBm Tracking, -142 dBm Acquisition
- ☐ Protocol: TAIP (ASCII)
- ☐ Frequency: L1 type (1575.42 MHz) C/A code
- ☐ Channels: 12 channel simultaneous operation
- ☐ Update rate: 1Hz

##### Accuracy

- ☐ Horizontal: <3 meters (50%). <8 meters (90%)
- ☐ Altitude: <16 meters (50%), <16 meters (90%)
- ☐ Velocity: 0.06 m/sec.
- ☐ PPS" +/- 50 nanoseconds

##### Acquisition

- ☐ Reacquisition: 2 sec.
- ☐ Hot Start 9 sec.
- ☐ Warm Start 35 sec.
- ☐ Cold Start (TTFF): 39 sec. Out of the box: 41 sec

#### GPS Antenna Connection

- ☐ SMA (Sub Miniature A) connection with a male center contact. Use this contact for the GPS Antenna provided with the unit.
- ☐ 50 Ohms impedance

**GPS Antenna Spec.****Patch**

- ☐ Center Frequency  $1575.42 \pm 1.023$  MHz (when covered with a radome and measured by LNA ground plane)
- ☐ Bandwidth (10dB return loss) 10 MHz min
- ☐ Gain at Zenith 1dB type
- ☐ Gain ay 10° elevation -5 dBic type
- ☐ Polarization R.H.C.P.
- ☐ Axial Ratio 5.0 dB type

**Filter / LNA**

- ☐ Center Frequency  $1575.42 \pm 1.023$  MHz
- ☐ Gain 30~37 dB (pc:3V/32dB)
- ☐ Noise Figure 1.4 dB type (ps:3V / 1.35 dB)
- ☐ Filer out band attenuation
- ☐ Dielectric filter
- ☐ 7dB min  $f_o \pm 20$  MHz
- ☐ 20dB min  $f_o \pm 50$  MHz
- ☐ 30dB Min  $f_o \pm 100$  MHz
- ☐ ( $f_o = 1575.42$  MHz)
- ☐ Output V.S.W.R 2.0 max
- ☐ Voltage DC = 2.5~5.5V
- ☐ Curent DC = 8~23mA (ps:3V / 10mA)

**Antenna connector**


- ☐ Mini USB connector with a female center contact (Use this connector for the Antenna provided with the unit.
- ☐ 50 Ohms impedance

**Environmental Specifications**

- ☐ Operational Temperature -20 to +60°C
- ☐ Storage Temperature -40 to +85°C
- ☐ Shock MIL-STD-810E METHOD 516.4 Proc. 1, 18 shocks 40 G half-sine 6 – 9 msec 18
- ☐ Shocks 2500g's, 0.00075-second pulse
- ☐ Vibration 2X-EIA (not tested electronically during vibration) Sine 20 – 2000 Hz, 4G peak
- ☐ 1 hr per axis – 3 axis (X, y, z) Random 20 – 2000 Hz, 6G RMS; 1 hr per axis – axis (x, y, z)

\*\*\*\*\*

# AdvanceMobile™ VX1 GPS services


INICIO   LOGIN DEL CLIENTE   ANDROID DESCARGAR   CONTACTO

EL EQUIPO PARA SU GRAN EQUIPO

**AdvanceMobileGPS™**

The **AdvanceMobileGPS™** allows you to track your vehicles, track their speed, get the exact address, locate a specific car, track route within the last 12 hours, print reports and communicate with the driver via Push-to-Talk (PTT) two-way communication. This powerful, cutting edge software, when coupled with the AdvanceMobile merges GPS hands-free wireless technology and the AdvanceCommunicator base station gives you the safest and most convenient mobile management tool available.

**CAPACIDADES**

- Know where your employees are at all times
- Track employees progress against an approved schedule
- Track your employee's route over the last 12 hour period.
- Communicate with employees via Push-to-Talk (PTT) or Cellular
- "Emergency Push To Talk" feature so employee can communicate instantly in the event of an emergency
- Eliminate wasted time and unnecessary trips
- Accurately record data and control inventory
- Reduce paperwork
- Locate lost or stolen equipment
- Route optimization and mileage verification to reduce mileage costs
- Ensure compliance to predefined policies
- Easy-to-use client and web based software integrate with existing systems
- Assign the right resources and equipment in the most economical manner.
- Receive GPS location updates and alerts (Speed, stops, etc.)

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<http://gps.avantel.com.co>



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