Thor CE User Guide

Microsoft® Windows® Embedded CE 6 Operating System

E-EQ-THORCEOGWW-A

Notices

LXE Inc. reserves the right to make improvements or changes to published Thor information at any time without notice. While reasonable efforts have been made in the preparation of this publication to assure its accuracy, LXE assumes no liability resulting from any errors or omissions in this publication, or from the use of the information contained herein. Further, LXE Incorporated, reserves the right to revise this publication and to make changes to it from time to time without any obligation to notify any person or organization of such revision or changes.

Trademarks

LXE® and **Spire**® are registered trademarks of LXE Inc.

Microsoft®, ActiveSync®, MSN, Outlook®, Windows®, Windows Mobile®, the Windows logo, and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Intel and Intel XScale are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Summit Data Communications, Inc. Summit Data Communications, the Summit logo, and “The Pinnacle of Performance” are trademarks of Summit Data Communications, Inc.

The **Bluetooth**® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by LXE, Inc. is under license.

PowerScan is a registered trademark of Datalogic Scanning, Inc., located in Eugene, OR.

Symbol® is a registered trademark of Symbol Technologies. **MOTOROLA**® and the Stylized M Logo are registered trademarks of Motorola®, Inc.

Hand Held® is a registered trademark of Hand Held Products, Inc., located in Skaneateles Falls, NY.

When any part of this publication is in PDF format: “Acrobat ® Reader Copyright © 2010 **Adobe** Systems Incorporated. All rights reserved. Adobe, the Adobe logo, Acrobat, and the Acrobat logo are trademarks of Adobe Systems Incorporated” applies.

Other product names mentioned within this publication may be trademarks or registered trademarks of other companies.

Table of Contents

Set Up A New Thor 1

Hardware Setup 1

Software Setup 1

Components 2

Front View 2

Back View 3

Access Panel 4

Thor Quick Mount 4

Using the Quick Mount 4

Removing Thor from Quick Mount 6

Tapping the Touchscreen with a Stylus 7

Backlights and Indicators 8

Set Power Scheme Timers 8

Battery Power Scheme 8

AC Power Scheme 8

Connecting Cables to the Thor 9

Connect Cable- USB Client 9

USB-C Cable Assembly 9

Connect Cable- USB Host 9

USB-H Cable Assembly 9

Connect Cable - Serial 10

Connecting Vehicle Power 11

Vehicle 9-60 VDC Power Connection 11

VX6 / VX7 Adapter Cable 12

Connecting an AC/DC Power Supply 12

Connecting the Headset Cable 13

Adjust Headset / Microphone and Secure Cable 14

Adjust Speaker Volume 14

Using the Keypad 14

Using the Control Panel 14

Set Date and Time Zone 15

Grab Time Utility 15

Autolaunch Time-Sync 15

Using the Input Panel / Virtual Keyboard 16

Touchscreen 17

Calibrating the Touchscreen 17

Adjusting the Display Backlight Timer 17

Setup Terminal Emulation Parameters 17
Using the AppLock Switchpad 18
Using the Keypad 18
Using the Touchscreen 18
Reboot 19
Troubleshooting 19
Regulatory Notices and Safety Information 20
Class A Digital Device 20
RF Safety Notice 21
Lithium Battery Safety Statement 22
Vehicle Power Supply Connection Safety Statement 23
Revision History 23
Index 24

Set Up A New Thor

Note: LXE recommends that installation or removal of accessories be performed on a clean, well-lit surface. When necessary, protect the work surface, the Thor, and components from electrostatic discharge.

While the Thor is in a Hazardous Location DO NOT:

- Connect an external power source to the Thor.
- Connect a USB device or audio jack to the Thor.

Hardware Setup

1. Connect accessories to the Thor Quick Mount.
2. Connect cables.
3. Connect power cable to the Thor Quick Mount.
4. Secure all cables to the Thor Quick Mount with the Strain Relief Cable Clamps.
5. Secure the Thor in the Quick Mount.
6. Press power switch on Quick Mount.
7. Press the Power key.

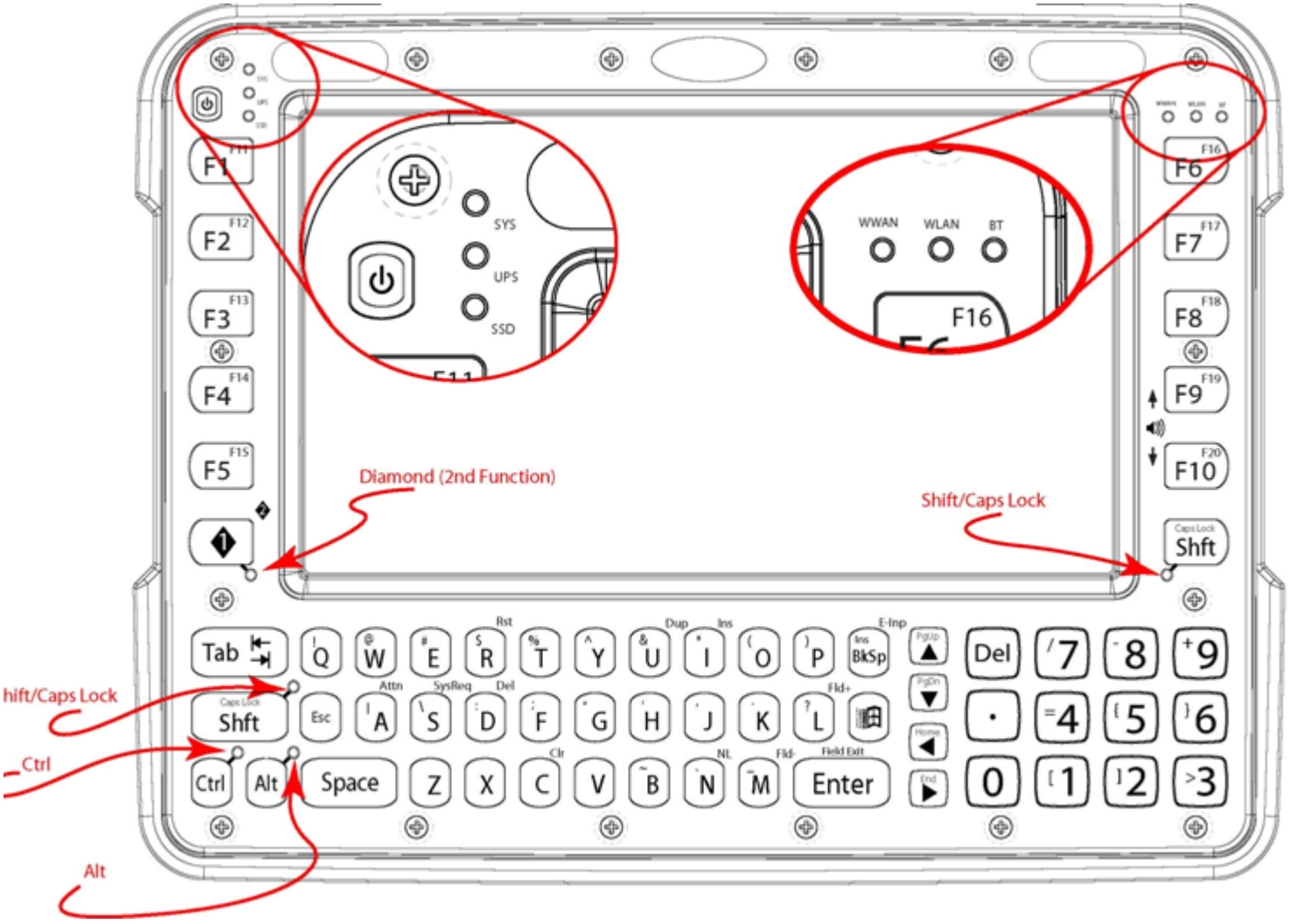
Software Setup

Prerequisite: Hardware setup is complete.

1. Calibrate Touch screen
2. Set Date and Time Zone
3. Set Power Schemes Timers
4. Adjust Speaker Volume
5. Pair Bluetooth devices
6. Setup Wireless client parameters
7. Setup terminal emulation parameters
8. Save changed settings to the registry
9. Setup the LXE AppLock parameters
10. Set the LXE DC Wedge parameters

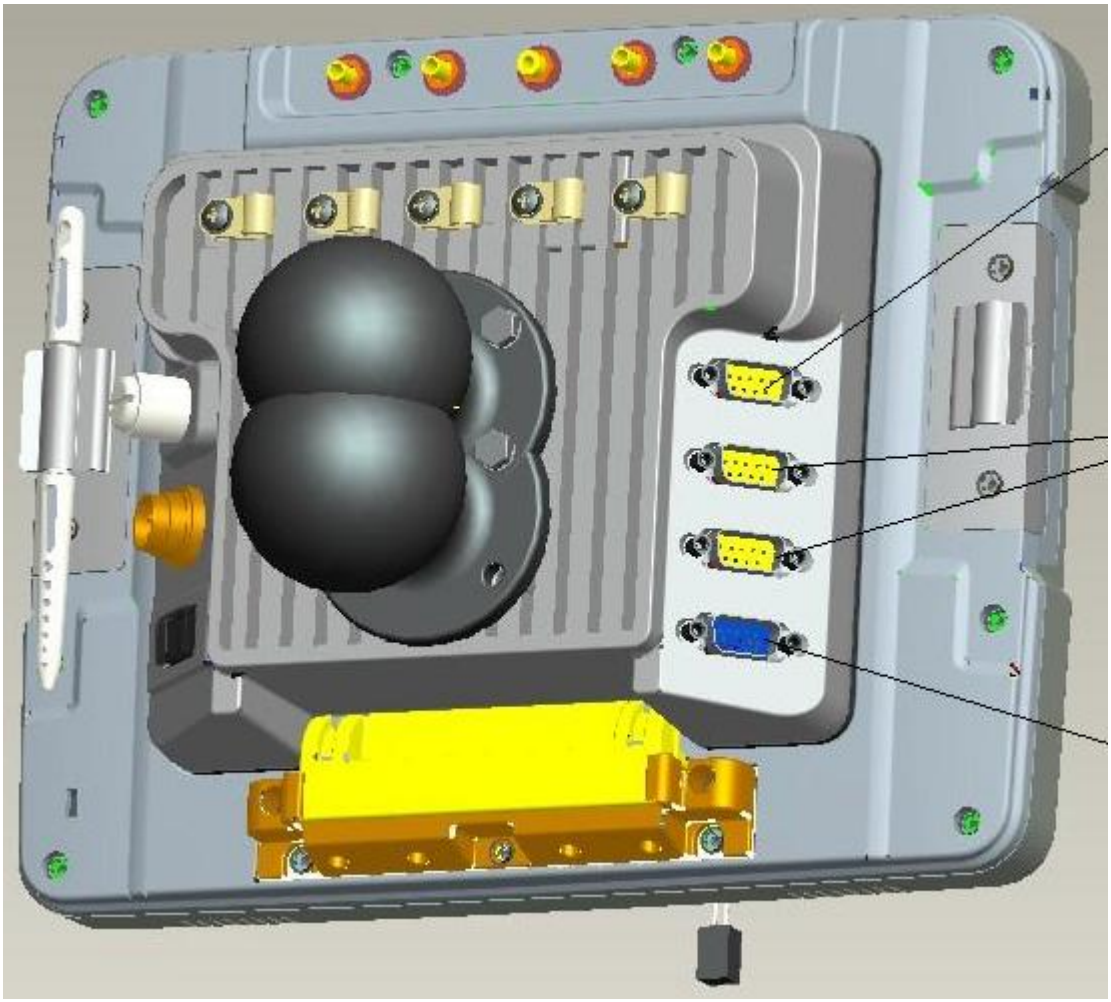
Components

Front View



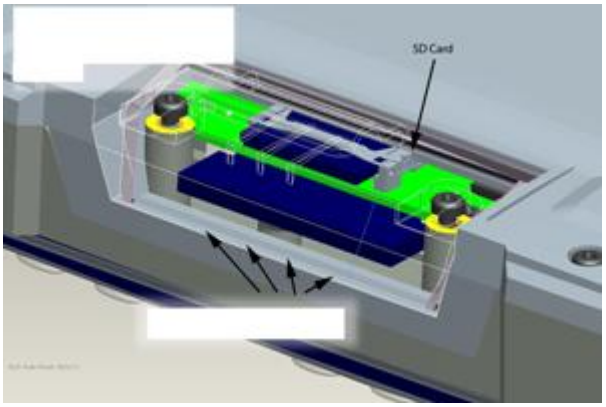
1. LEDs
2. Volume Control (2nd function)
3. Power Button
4. Speakers
5. Microphone?
6. Ambient light sensor?

Back View



1. Antenna Connectors (on Thor)
2. SD card access (on Thor)
3. Quick release (on Thor)
4. Strain relief clamps (on Quick Mount)
5. Fuse (on Quick Mount)
6. Power connector (on Quick Mount)
7. COM1 (on Quick Mount)
8. COM2 (on Quick Mount)
9. USB (on Quick Mount)
10. CANbus/Audio (on Quick Mount)

Access Panel



1. SD Memory Card Slot
2. Compact Flash Hard Drive

Thor Quick Mount

The Thor assembly consists of two parts, the Thor computer and the Quick Mount.

The Thor contains an internal UPS battery that, once fully charged, powers the Thor for a minimum of 30 minutes when the unit is not mounted in the Quick Mount.

The Quick Mount provides:

- A mount for the Thor computer. The Quick Mount attaches to a vehicle via a RAM mount.
- Conditioned power for the Thor. The Quick Mount accepts 9-60 VDC power input.
- COM1 and COM2 serial connections for a tethered scanner, printer, PC connection, etc.
- USB host and client connections via an adapter cable.
- CANbus connection via an adapter cable.
- Headset connection via an adapter cable. When a headset is not attached, the microphone and speakers on the Thor are active.
- Strain relief cable mounts.
- Mobility of the Thor, since the Quick Mount remains attached to the vehicle the Thor computer can easily be moved from one vehicle equipped with a Quick Mount to another.

External antenna connectors may be present on the back of the Thor. The connectors may include:

- 802.11 antenna connectors when the Thor is not equipped with internal antennas.
- External GPS antenna connector, when the Thor is equipped with GPS.
- External WWAN antenna connectors, when the Thor is equipped with WWAN.

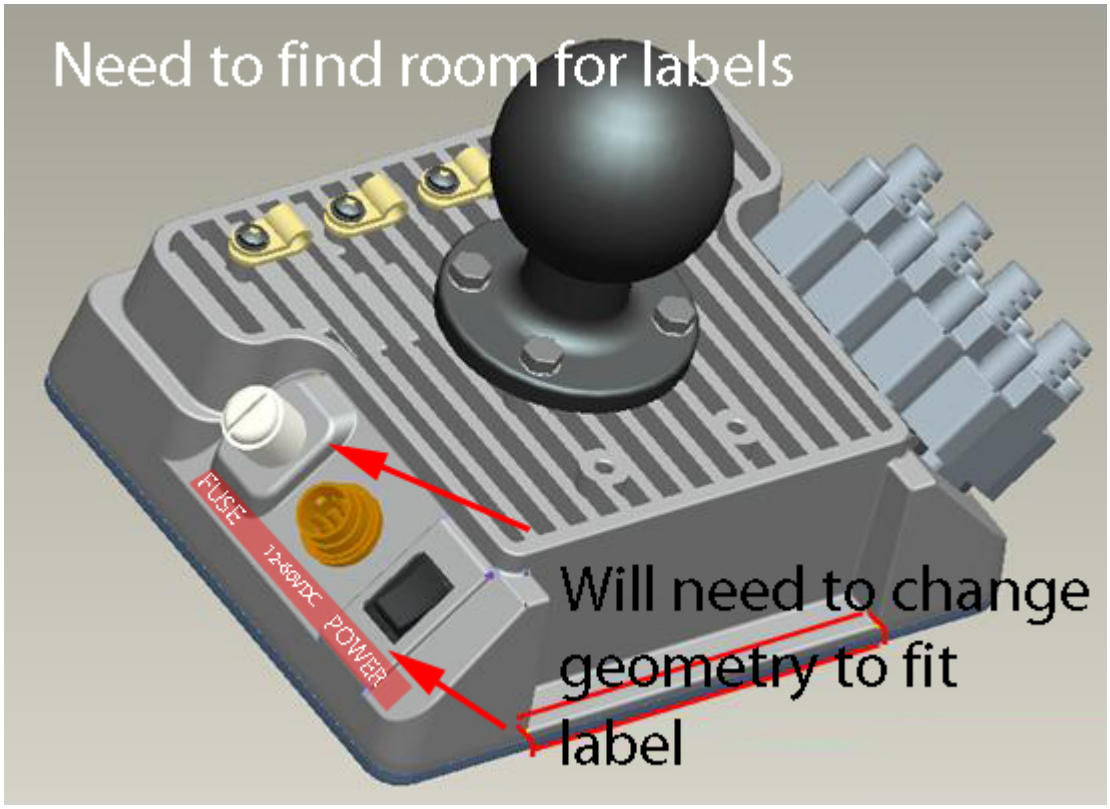
Using the Quick Mount

Attach RAM mount to vehicle (see *Cradle Guide*).

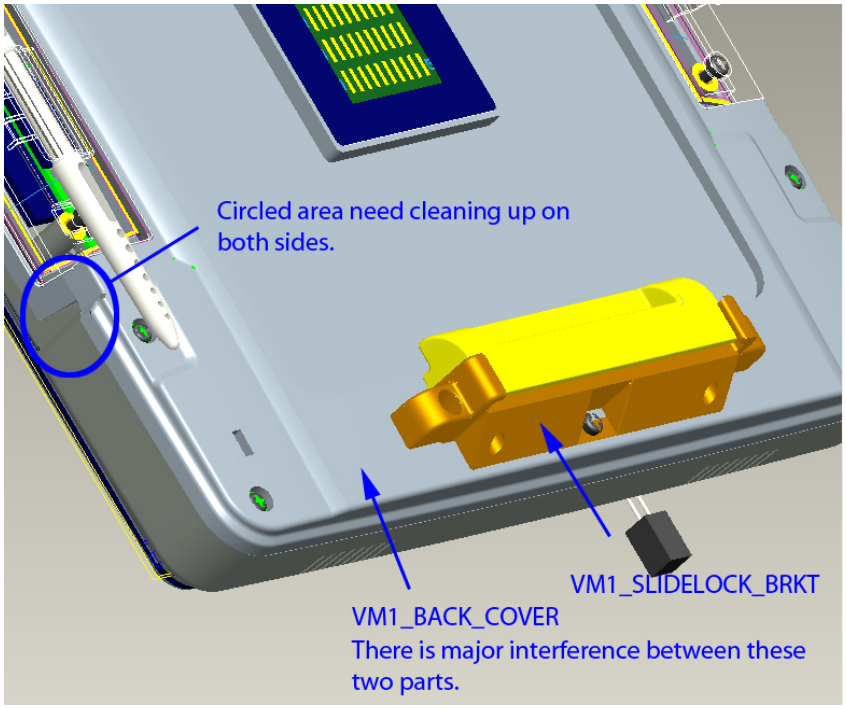
Attach accessories to Quick Mount.

Attach power cable.

Power on the Quick Mount.



Place Thor in the Quick Mount.



Removing Thor from Quick Mount

The Thor may be removed from the Quick Mount for limited periods of use or the transfer from vehicle to vehicle.

The UPS battery inside the Thor powers a fully functional Thor for a minimum of 30 minutes.

To remove the Thor from the Quick Mount, pull the release latch downward on the back of the Thor.

Tapping the Touchscreen with a Stylus

Note: Always use the point of the stylus for tapping or making strokes on the touchscreen.

Never use an actual pen, pencil, or sharp/abrasive object to write on the touchscreen.

Hold the stylus as if it were a pen or pencil. Touch an element on the screen with the tip of the stylus then remove the stylus from the screen.

Firmly press the stylus into the stylus holder when the stylus is not in use.

Using a stylus is similar to moving the mouse pointer then left-clicking icons on a desktop computer screen.

Using the stylus to tap icons on the touchscreen is the basic action that can:

- Open applications
- Choose menu commands
- Select options in dialog boxes or drop-down boxes
- Drag the slider in a scroll bar
- Select text by dragging the stylus across the text
- Place the cursor in a text box prior to typing in data
- Place the cursor in a text box prior to retrieving data using the scanner/imager or an input/output device connected to the serial port.

A stylus replacement kit is available.

Backlights and Indicators

Set Power Scheme Timers

Start | Settings | Control Panel | Power | Schemes

Change the parameter values and tap OK to save the changes.

Battery Power Scheme

Use this option to configure the Thor behavior when powered by the UPS battery.

Switch state to **User Idle**[1]	Default is After 3 seconds
Switch state to **System Idle**[2]	Default is After 15 seconds
Switch state to **Suspend**[3]	Default is After 5 minutes

AC Power Scheme

Use this option when the Thor will be running on external power (e.g. connected to).

Switch state to User Idle	Default is After 2 minutes
Switch state to System Idle	Default is After 2 minutes
Switch state to Suspend	Default is After 5 minutes

The timers are cumulative. The System Idle timer begins the countdown after the User Idle timer has expired and the Suspend timer begins the countdown after the System Idle timer has expired. When the User Idle timer is set to “Never”, the power scheme timers never place the Thor in User Idle, System Idle or Suspend modes (even when the Thor is idle).

[1] An amount of time has passed, set by the User Idle timer, and the device shuts down a minimum number of services e.g. backlights. The System Idle timer and the Suspend timer have not expired yet.

[2] An amount of time has passed, set by the System Idle timer, and the device shuts down a few more services e.g. display. The User Idle timer has expired and the Suspend timer has not expired yet.

[3] Suspend mode is entered when (1) the unit is inactive for a predetermined period of time, (2) the user taps the Power key, or (3) Start | Suspend is chosen. Inactivity means that internal devices that reset the power state are not active.

Connecting Cables to the Thor

Note: Do not connect or disconnect cables in a Hazardous location.

Connect Cable- USB Client

Prerequisite : A commercially available standard USB cable with a type A plug on one end and a type B plug on the other.

USB-C Cable Assembly

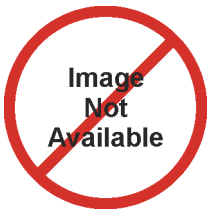
1. Seat the cable end connector (connector 1) firmly over the on the Thor Quick Mount.
2. Tighten the thumbscrews in a clockwise direction. Do not over tighten.
3. Connecter 2 on the cable provides a USB-Host connection.

Connect Cable- USB Host

USB-H Cable Assembly

1. Seat the cable end connector (connector 1) firmly over the on the Thor Quick Mount.
2. Tighten the thumbscrews in a clockwise direction. Do not over tighten.
3. Connecter on the cable provides a USB-Host connection.

Connect Cable - Serial



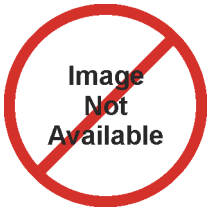
1. Seat the cable end connector firmly over the serial COM port on the Thor Quick Mount.
2. Turn the thumbscrews in a clockwise direction. Do not over tighten.
3. Connect the other cable end to the desired serial device.

Connecting Vehicle Power

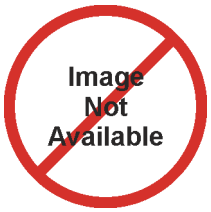
Complete vehicle cradle mounting and power instruction is contained in the *Thor Cradle Guide*.

Vehicle 9-60 VDC Power Connection

Caution	For proper and safe installation, the input power cable must be connected to a fused circuit on the vehicle. This fused circuit requires a Amp maximum time delay (slow blow) high interrupting rating fuse. If the supply connection is made directly to the battery, the fuse should be installed in the positive lead within 5 inches of the battery positive (+) terminal. Note: For North America, a UL Listed fuse is to be used.
Caution	For installation by trained service personnel only.
Warning	Risk of ignition or explosion. Explosive gas mixture may be vented from battery. Work only in well ventilated area. Avoid creating arcs and sparks at battery terminals.



1. To Vehicle Battery
2. To Thor Quick Mount
3. White (DC+)??
4. Black (DC-)??
5. Green (GND)??
6. 9 – 60 VDC



1. Vehicle Electrical System
2. ?? Amp Slow Blow Fuse
3. DC +
4. DC -
5. Vehicle Chassis
6. White
7. Black
8. Green

Note: Correct electrical polarity is required for safe and proper installation. Connecting the cable to the Thor with the polarity reversed will cause the Thor fuse to be blown. See the following figure titled "Vehicle Connection Wiring Color Codes" for additional wire color-coding specifics.

How To: Connect Vehicle 9-60VDC Connection

1. The Thor must be turned off and the power cable must be UNPLUGGED from the Thor.
2. While observing the fuse requirements specified above, connect the power cable as close as possible to the actual battery terminals of the vehicle. When available, always connect to un-switched terminals in vehicle fuse panel, after providing proper fusing. *ATTENTION:For uninterrupted power, electrical supply connections should not be made at any point after the ignition switch of the vehicle.*
3. Route the power cable the shortest way possible. The cable is rated for a maximum temperature of 105°C (221°F). When routing this cable it should be protected from physical damage and from surfaces that might exceed this temperature.
   Do not expose the cable to chemicals or oil that may cause the wiring insulation to deteriorate.

   If the vehicle is equipped with a panel containing Silicon Controller Rectifiers (SCR's), avoid routing the power cable in close proximity to these devices.

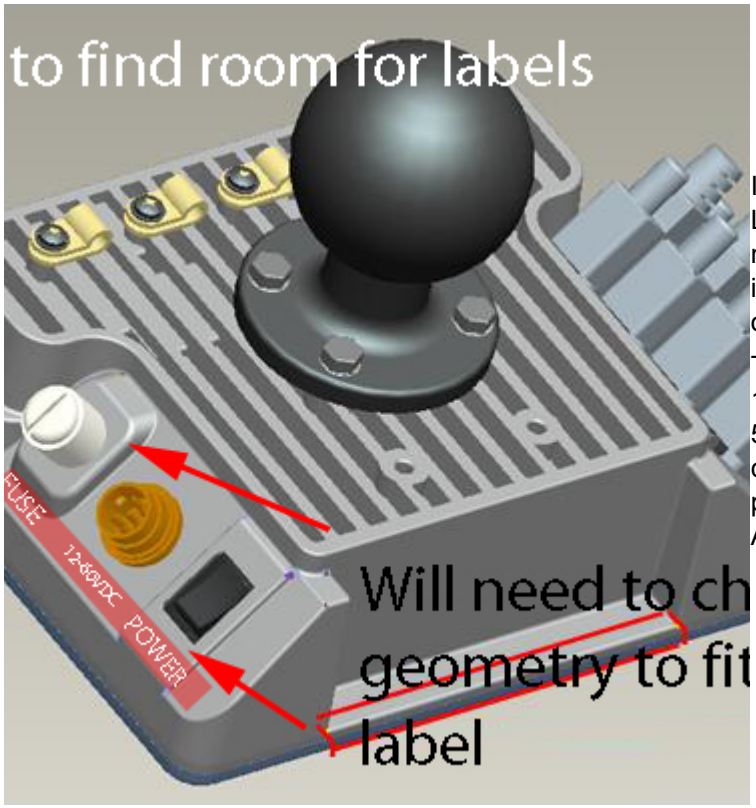
   Always route the cable so that it does not interfere with safe operation and maintenance of the vehicle.

   Use proper electrical and mechanical fastening means for terminating the cable. Properly sized "crimp" type electrical terminals are an accepted method of termination. Please select electrical connectors sized for use with 18AWG (1mm^2) conductors.

   Wiring color codes for LXE supplied DC input power cabling:

Vehicle Supply	Wire Color
+9 - 60VDC (DC +)	White??
Return (DC -)	Black??
Vehicle Chassis GND	Green??

4. Provide mechanical support for the cable by securing it to the vehicle structure at approximately one foot intervals, taking care not to over tighten and pinch conductors or penetrate outer cable jacket.
5. Connect the adapter cable to the Thor Quick Mount.
6. Plug the vehicle cable into the adapter cable.
7. Flip the power switch on the back of the Quick Mount to On.



VX6 / VX7 Adapter Cable

An adapter cable is available to attach the Thor to a vehicle previously equipped with a VX6/VX7 DC power cable. The adapter cable has a connector to match with the VX6/VX7 power supply cable on one end and a connector to match to the Thor on the other.

Caution 	Because the Thor supports 9-60 VDC power input, verify input voltages before using this adapter cable with an existing VX6 or VX7 power connection installation.

When this adapter cable is used, there is no provision for an ignition switch input. Therefore the Auto On (with vehicle ignition) is not available when using this cable.

Need to add How To when cable is ready??

Connecting an AC/DC Power Supply

Note: The LXE-approved AC Power Supply and Adapter Cable are only intended for use in a 25°C (77°F) maximum ambient temperature environment.

Placeholder for graphic when available??

In North America, this unit is intended for use with a UL Listed ITE power supply with output rated 12 – 80 VDC, minimum 15W75W . Outside North America, this unit is intended for use with an IEC certified ITE power supply with output rated 12 – 80 VDC, minimum 15W75W .

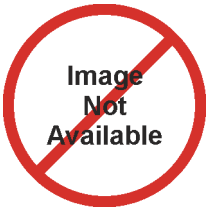
The external power supply may be connected to either a 120V, 60Hz supply or, outside North America, to a 230V, 50Hz supply, using the appropriate detachable cordset. In all cases, connect to a properly grounded source of supply provided with maximum 15 Amp overcurrent protection (10 Amp for 230V circuits).

1. Turn the Thor off.
2. Connect the detachable cordset provided by LXE (US only, all others must provide their own cable) to the external power supply (IEC 320 connector).
3. Plug cordset into appropriate, grounded, electrical supply receptacle (AC mains).
4. Connect the DC Output Cable end to the power connector on the Thor Quick Mount.
5. Turn the Thor on.

Connecting the Headset Cable

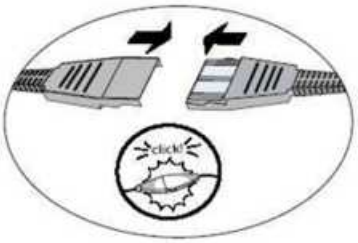
Headset

1. Connects to end of audio cable
2. Headphones
3. Microphone



Thor Audio Cable

Connect the Thor audio cable I/O connector to the CANbus/Audio port on the Thor. The Thor internal microphone and speaker are automatically disabled.



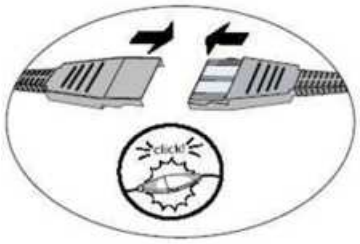
Slide the cable ends together until they click shut. Do not twist or bend the connectors.

The Thor is ready for voice-enabled applications.

Adjust Headset / Microphone and Secure Cable

The headset consists of an earpiece, a microphone, a clothing clip and a cable. The headset attaches to the audio cable end of the voice cable which attaches to the Thor.

Align the audio connector and the headset quick connect cable end. Firmly push the cable ends together until they click and lock in place.



Do not twist the microphone boom when adjusting the microphone. The microphone should be adjusted to be about two finger widths from your mouth.

Make sure the microphone is pointed at your mouth. Note the small “Talk” label near the mouthpiece. Make sure the Talk label is in front of your mouth. The microphone cable can be routed over or under clothing.

Under Clothing

- Leave the cable exposed only at the top of the collar.
- Be sure to leave a small loop of cable to allow movement of your head.

Over Clothing

- Use clothing clips to hold the cable close to your body.
- Tuck the cable under the belt, but leave a small loop where it goes under the belt.
- Do not wear the cable on the front of your body. It may get in your way or get caught on protruding objects.

Adjust Speaker Volume

The Thor has two speakers, located on the bottom of the unit.

Speaker volume can be adjusted to a comfortable level for the listener by using the keypad or by changing parameters in the Volume & Sounds control panel.

Using the Keypad

Note: Volume & Sounds (in Settings | Control Panel) must be enabled before the following key sequences can adjust the volume.

The volume is increased or decreased one step each time the volume key sequence is pressed.

To adjust speaker volume, locate the 2nd key to the left of the display. Press this key.

Adjust the speaker volume by pressing the:

Use the F9 key for volume Up and F10 key for volume Down. Adjust volume until the speaker volume is satisfactory. Press the Enter key to exit this mode.

The LED for the 2nd key blinks until the special editing mode (set audio speaker volume) is complete.

Volume control using a keypad key press has six volume settings that match those supported by the Volume and Sounds Control panel. Volume does not “roll-over” from minimum to maximum or from maximum to minimum. Continuously holding down the up or down arrow keys does not cause an automatic repeat of the up (or down) arrow key.

Using the Control Panel

Start | Settings | Control Panel | Volume & Sounds | Volume

Change the volume setting and tap OK to save the change.

You can also select / deselect sounds for key clicks and screen taps and whether each is loud or soft.

As the volume scrollbar is moved between Loud and Soft, the Thor emits a tone each time the volume increases or decreases in decibel range.

Set Date and Time Zone

Tap **Start | Settings | Control Panel | Date/Time** icon or tap the Date/Time in the taskbar.

Set Date, Time, Time Zone, and assign a Daylight Savings location on the Thor after a warm boot or anytime.

There is very little functional change from standard desktop PC Date/Time Properties options. Adjust the settings and tap the OK button or the Apply button to save changes to the registry. Any changes take effect immediately.

Double-tapping the time displayed in the Taskbar causes the Date/Time Properties screen to appear.

Grab Time Utility

The GrabTime utility can be configured to synchronize the time with a local server during each reboot function.

Tap the Sync button to synchronize date and time with a networked time server. By default, the Thor operating system first searches for a time server on the local intranet. If not found, it then searches the Internet for a time server. A connection to the Internet is required for this option.

Autolaunch Time-Sync

Start | Settings | Control Panel | Thor Options | Communication tab

By default, TimeSync does not automatically run on the Thor. To enable TimeSync to run automatically on the Thor using the GrabTime utility, check this checkbox.

Synchronize with a Local Time Server

By default, GrabTime synchronizes via an Internet connection. To synchronize with a local time server:

1. Use ActiveSync to copy GrabTime.ini from the My Device | Windows folder on the Thor to the host PC.
2. Edit the copy of GrabTime.ini on the host PC. Add the local time server's domain name to the beginning of the list of servers. You can optionally delete the remainder of the list.
3. Copy the modified GrabTime.ini file to the My Device | System folder on the Thor. The System/GrabTime.ini file takes precedence over the Windows/GrabTime.ini file. System/Grabtime.ini also persists after a cold-boot; Windows/Grabtime.ini does not persist.

Using the Input Panel / Virtual Keyboard

The virtual keyboard is always available when needed e.g. text entry.

Place the cursor in the text entry field and, using the stylus:

- Tap the Shift key to type one capital letter.
- Tap the CAPS key to type all capital letters.
- Tap the áü key to access symbols.

Some applications do not automatically display the Input Panel. In this case, do the following to use the Input Panel:

Input Panel icon in the taskbar

Keyboard icon in the taskbar

- Tap the Input Panel or Keyboard icon in the taskbar.
- Select **Keyboard** from the menu.
- Move the cursor into the text entry field when you want to enter data using the Input Panel.

When finished entering data, tap the icon in the Taskbar again.Select **Hide Input Panel**.

Touchscreen

Calibrating the Touchscreen

If the touchscreen is not responding properly to stylus taps, you may need to recalibrate the touchscreen.

Recalibration involves tapping the center of a target. If you miss the center, keep the stylus on the screen, slide it over the target's center, and then lift the stylus.

Follow the instructions on the screen and press the Enter key to save the new calibration settings or press Esc to cancel or quit.

Adjusting the Display Backlight Timer

The backlight settings use the LXE set of default timeouts and are synchronized to the User Idle setting in the Schemes tab in the Power control panel.

When the backlight timer expires, the display backlight is dimmed, not turned off. When both checkboxes are unchecked, the backlight never turns off (or dims).

Default values are 3 seconds for Battery, 2 minutes for External and both the check boxes are enabled.

Setup Terminal Emulation Parameters

Before you make a host connection, you will, at a minimum, need to know:

- the alias name or IP address (Host Address) and
- the port number (Telnet Port) of the host system to properly set up your host session.

1. Make sure the mobile client network settings are configured and functional. If you are connecting over wireless LAN (802.11*x*), make sure your mobile client is communicating with the Access Point.
2. From **Start | Program**, run **LXE RFTerm** or tap the RFTerm icon on the desktop.
3. Select **Session | Configure** from the application menu and select the "host type" that you require. This will depend on the type of host system that you are going to connect to; i.e. 3270 mainframe, AS/400 5250 server or VT host.
4. Enter the "Host Address" of the host system that you wish to connect to. This may either be a **DNS name or an IP address of the host** system.
5. Update the **telnet port number**, if your host application is configured to listen on a specific port. If not, just use the default telnet port.
6. Select **OK.**
7. Select **Session | Connect** from the application menu or tap the "Connect" button on the Tool Bar. Upon a successful connection, you should see the host application screen displayed.

To change options such as Display, Colors, Cursor, Barcode, etc., please refer to these sections in the *RFTerm Reference Guide* for complete descriptions of these and other features.

Using the AppLock Switchpad

*Note: The touchscreen must be enabled. Select **Start** | **Settings** | **Control Panel** | **Options** | **Misc. tab** to verify touchscreen status.*

Switchpad Menu

Switchpad Icon in Taskbar

A checkmark indicates applications currently active or available for Launching by the Thor user. When Keyboard, on the Switchpad Menu, is selected, the default input method (Input Panel, Transcriber, or custom input method) is activated.

Using the Keypad

One switch key sequence (or hotkey) is defined by the Administrator for the end-user to use when switching between locked applications. This is known as the **Activation key**.

When the switch key sequence is pressed on the keypad, the next application in the AppLock configuration is moved to the foreground and the previous application moves to the background. The previous application continues to run in the background. Thor key presses affect the application in focus only.

Using the Touchscreen

The figure shown above is an example and is shown only to aid in describing how the user can switch between applications using a stylus.

When the user taps the Switchpad icon with the stylus, a menu pops up listing the applications available to the user. The user can tap an application name in the popup menu and the selected application is brought to the foreground. The previous application continues to run in the background. Stylus taps affect the application in focus only. When the user needs to use the Input Panel, they tap the Keyboard option. Input Panel taps affect the application in focus only.

Reboot

When the Windows CE desktop is displayed or an application begins, the power up (or reboot) sequence is complete.

Troubleshooting

Thor seems to lockup as soon as it is rebooted.	There may be slight delays while the wireless client connects to the network, authorization for voice-enabled applications complete, and Bluetooth relationships establish or re-establish. When an application begins, the Thor is ready for use.

Regulatory Notices and Safety Information

Class A Digital Device

NOTICE

This device complies with FCC Rules, part 15. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

NOTICE

Changes or modifications made to this equipment not expressly approved by LXE, Inc., may void the FCC authorization to operate this equipment.

Industry Canada

This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe A prescrites dans le Réglement sur le brouillage radioélectrique édits par le ministère des Communications du Canada.

EMC Directive Requirements:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Lithium Ion Battery

When disposing of the main battery, the following precautions should be observed: The battery should be disposed of properly. The battery should not be disassembled or crushed. The battery should not be heated above 212°F (100°C) or incinerated.

Waste Electrical and Electronic Equipment (WEEE)

Important:

This symbol is placed on the product to remind users to dispose of Waste Electrical and Electronic Equipment (WEEE) appropriately, per Directive 2002-96-EC. In most areas, this product can be recycled, reclaimed and re-used when properly discarded. Do not discard labeled units with trash. For information about proper disposal, Contact your LXE representative, or visit www lxe com.

R&TTE Directive Requirements (Applies only to equipment operated within the EU/EFTA)

Information to User

A label on the exterior of the device should resemble one of the labels shown below (the label contains the LXE part number of the installed radio card). The labels shown below and affixed to the device, identify where the device may be used and where its use is restricted. Use of a device is prohibited in countries not listed below or otherwise identified by the label. (May or may not include the 0560 Notified Body Number. Substitute 4 digit Notified Body Number may also be applied.)

RF Safety Notice

This device is intended to transmit RF energy. For protection against RF exposure to humans and in accordance with FCC rules and Industry Canada rules, this transmitter should be installed such that a minimum separation distance of at least 20 cm (7.8 in.) is maintained between the antenna and the general population. This device is not to be co-located with other transmitters.

Lithium Battery Safety Statement

Caution: Lithium battery inside. Danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by battery manufacturer. (US)

Attention: Contient une pile de lithium. Risque d'explosion dans le cas où la pile ne serait pas correctement remplacée. Remplacer uniquement avec une pile semblable ou equivalente au type de pile recommandé par le fabricant. (FR)

Forsigtig: Indeholder lithiumbattterier. Risiko for eksplosion, hvis batteriet udskiftes forkert. Må kun udskiftes med samme eller tilsvarende type, som anbefalet af fabikanten. (DK)

Varoitus: Tämä tuote käyttää laservaloa. Skannerissa on jokin seuraavista tarroista. Lue Huomio-kohta. (FI)

Vorsicht: Enthält Lithium-Batterie. Bei unsachgemäßem Ersatz besteht Explosionsgefahr. Nur durch gleichen oder vom Hersteller empfohlenen Typ ersetzen. (DE)

Attenzione: Batteria al litio. Pericolo di esplosione qualora la batteria venga sostituita in maniera scorretta. Sostituire solo con lo stesso tipo o equivalente consigliato per il fabbricante. (IT)

Atenção: Contém pilha de lítio. Há perigo de explosão no caso de uma substituição incorreta. Substitua somente pelo mesmo tipo, ou equivalente, recomendado pelo fabricante.

(PT) Varning: Innehåller litiumbatteri. Fara för explosion om batteriet är felaktigt placerat eller av fel typ. Använd endast samma eller motsvarande typ batterier rekommenderade av tillverkaren. (SE)

Advarsel: Innmontert Lithium batteri. Eksplosjonsfare ved feil montering av batteri. Benytt kun batteri anbefalt av produsent. (NO)

Cuidado: Pila de litio adentro. Peligro de explosión si la pila se reemplaza incorrectamente. Reemplace solamente con el mismo tipo o equivalente recomendado por el fabricante. (ES)

Oppassen: Bevat Lithium-batterij. Incorrrecte plaatsing van batterij kan leiden tot explosiegevaar. Alleen vervangen door hetzelfde of door fabrikant aanbevolen gelijkwaardig type. (NL)

Legend: Danish – DK; English – US; Finnish – FI; French- - FR; German – DE; Greek – GR; Italian – IT; Norwegian – NO; Portuguese – PT; Spanish – ES; Swedish – SE; Turkish – TR.

Vehicle Power Supply Connection Safety Statement

Vehicle Power Supply Connection: If the supply connection is made directly to the battery, a 10A slow-blow fuse should be installed in the positive lead within 5 inches (12.7 cm.) of the battery positive (+) terminal. (US)

Raccordement de l'alimentation du véhicule Si l'alimentation est raccordée directement à la batterie, un fusible à action retardée de 10A doit être installé sur le câble positif à moins de 12,7 cm de la borne positive (+) de la batterie. (FR)

EL forsyning af køretøjet. Er forsyningsforbindelsen direkte tilknyttet til batteriet og og tilsluttet til den positive part indenfor 12,7 cm (+ delen). vil der være en langsom tændelse af 10 ampere. (DK)

Kytkentä ajoneuvon virtalähteeseen Jos virtaa otetaan suoraan akusta, 10 ampeerin hidas sulake on asennettava positiiviseen johtoon enintään 12 cm:n etäisyydelle akun positiivisesta (+) navasta. (FI)

Anschluss an Fahrzeugbatterie Bei direktem Anschluss an die Fahrzeugbatterie sollte eine träge 10A-Sicherung in die positive Leitung zwischengeschaltet werden, und zwar nicht weiter als ca. 13 cm von der positiven (+) Batterieklemme entfernt. (DE)

Σύνδεση Τροφοδοτικού Ισχύος Οχήματος Αν η σύνδεση του τροφοδοτικού γίνει κατευθείαν στη μπαταρία, μια ασφάλεια βραδείας τήξης των 10A θα πρέπει να τοποθετηθεί στο θετικό καλώδιο εντός 5 ιντσών (12,7 εκ.) του θετικού (+) ακροδέκτη της μπαταρίας. (GR)

Collegamento dell'alimentazione del veicolo Se il collegamento dell'alimentazione viene stabilito direttamente con la batteria, è necessario installare un fusibile ad azione lenta da 10A nel conduttore positivo a meno di 5 in. (12,7 cm) dal terminale positivo (+) della batteria. (IT)

Tilkople strømforsyningen til kjøretøyet Hvis strømforsyningen koples direkte til batteriet, skal det installeres en 10A treg sikring i den positive ledningen innen 12,7 cm fra plusspolen (+) på batteriet. (NO)

Ligação do fornecimento de corrente do veículo Se a ligação de fornecimento de corrente for ligada directamente à bateria, deve instalar-se um fusível de 10A no terminal positivo, a 12,7 cm. do terminal positivo (+) da bateria. (PT)

Conexión de suministro eléctrico para el vehículo Si el suministro eléctrico se proporciona directamente a la batería, se debe instalar un fusible de retardo de 10A en el conductor positivo, como máximo a 12,7 cm (5 pulgadas) del terminal positivo (+). (ES)

Fordonets strömförsörjningskoppling Om strömkopplingen görs direkt till batteriet, måste en 10A-säkring installeras i den positivt laddade ledningen inom 12.7 cm från batteriets pluspol (+). (SE)

Taşıt Güç Kaynağı Bağlantısı Kaynak bağlantısı doğrudan aküye yapılırsa, pozitif bağlantı kablosu üzerinde akünün pozitif (+) kutbuna 12.7 cm mesafede 10A'lık yavaş atan bir sigorta monte edilmelidir. (TR)

Legend: Danish – DK; English – US; Finnish – FI; French- - FR; German – DE; Greek – GR; Italian – IT; Norwegian – NO; Portuguese – PT; Spanish – ES; Swedish – SE; Turkish – TR.

Revision History

Revision / Date	Location / Change
/ Jan 2010	Components / Added Component pages.

Index

A

AC Power Scheme ... 8
Adjust Headset / Microphone and Secure Cable ... 14
Adjust Speaker Volume ... 14
AppLock Switchpad ... 18
Autolaunch Time-Sync ... 15

B

Battery Power Scheme ... 8

C

Calibrate ... 17
Class A Digital Device ... 20
Connect Cable- USB Client ... 9
Connect Cable- USB Host ... 9
Connect Cable - Seria ... 10
Connecting Cables ... 9
Connecting the Headset Cable ... 13
Connecting Vehicle Power ... 11
Cumulative mode timers ... 8

D

Date, Time, TimeZone ... 15
Daylight Savings location ... 15

G

Grab Time Utility ... 15

H

Hardware Setup ... 1
Headset
  Adjusting the microphone ... 14
  Mouthpiece Talk label ... 14
  quick connect cable ... 14
Hide input panel ... 16
Hide online keyboard ... 16

I

Input panel ... 16

P

Power key ... 1

R

Recalibrate ... 17
Revision History ... 23
RF Safety Notice ... 21

S

Safety Statement
  Vehicle Power Supply ... 23
Set Date and Time Zone ... 15
Set Power Scheme Timers ... 8
Set Up A New Device ... 1
Setup Terminal Emulation Parameters ... 17
SIP soft input panel ... 16
Software Setup ... 1
Stylus
  how to use ... 7
Switchpad ... 18
Synchronize with a Local Time Server ... 15

T

Touchscreen
  and the stylus ... 7
Troubleshooting ... 19

U

Using the AppLock Switchpad ... 18

V

Vehicle Power Connection Cable ... 11

virtual keyboard....16
Volume adjust....14

W

WEEE....20