XPLORE
TECHNOLOGIES

# XSLATE B10
## Model iX101B2
# User's Guide

Xplore Technologies® has made every effort to ensure the accuracy and completeness of this document; however, because ongoing development efforts are made to continually improve the capabilities of our products, we cannot guarantee the accuracy of the contents of this document. We disclaim liability for errors, omissions, or future changes herein.

DECLARATION OF CONFORMITY according to FCC Part 15, IC ICES-003, and RTT&E directives Responsible Party Name: Xplore Technologies Corp. of America

Address: 8601 Ranch Road 2222, Bldg 2
Austin, TX 78730 USA

Telephone: 512-637-1100
Fax: 512-637-1199

Declares that product: Model Series: iX101B2 complies with Part 15 of the FCC Rules. This device complies with Part 15 of the FCC rules. 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.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance may void the user's authority to operate this equipment. For more information about FCC, IC, and EU rules and their applicability to the iX101B2, see, "Agency Notes" on page 21.

The iX101B2 is backed by a standard 36-month International Limited Warranty. An extended International Limited Warranty is available. Check the service kit included with your computer for warranty terms and conditions.

# Contents

# Welcome

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## Welcome

Welcome to the Xplore Technologies XSLATE B10 tablet, the rugged tablet designed, tested, and manufactured to meet the environmental and physical real-world challenges faced by today's mobile workers. Based on years of experience in rugged mobile applications, the B10  is designed to withstand the abuses of everyday wear and tear. Advanced technology, innovative design, and a rugged case are just a few highlights of your B10  system.

**NOTE:**   This handbook assumes that you have basic experience using Microsoft Windows 7 or Microsoft Window 8.1.

## Important Safety Information

Before you use the XSLATE B10 (referred to as the tablet), read these safety instructions and the operation instructions in this handbook.

Failure to observe all these instructions voids the Limited Warranty and may lead to suspension or denial of services to the offender, or legal action, or both.

Follow any special regulations governing the use of the tablet and, if radio-enabled, always switch it off in areas where radio devices are forbidden or when the radio device can cause interference or danger.

Always follow any safety laws and regulations pertaining to the use of cell phones and two-way radios, because these laws and regulations typically apply to the use of the wireless-enabled tablet.

Observe all restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, and wherever blasting operations are in progress or in any area in which restrictions on radio transmissions are imposed. When flying in an aircraft, turn off the tablet PC prior to take-off and landing. As of this writing, the FAA has approved

the use of personal electronic devices on commercial aircraft when flying above 10,000ft (3,048m). The tablet PC should only be turned on only when directed by the flight crew members as FAA regulations are subject to change.

Operating the wireless-enabled tablet may interfere with the functioning of inadequately protected medical devices such as pacemakers. Consult a physician or the manufacturer of the medical device if you have any questions.

Radio signals from your tablet will not affect the operation of most modern equipment, but certain electronic equipment, including automotive systems, may not be shielded against radio signals from your tablet. Check with the manufacturer of your motor vehicle or the manufacturer's representative to determine whether using the tablet will present any safety issues.

Avoid using the tablet in any environment that requires your full attention, such as when driving a vehicle. If you need to use your tablet while driving, have a passenger use it for you or find a safe location to halt your vehicle.

*WARNING:* Use only battery types specified in this handbook. Using any other type of battery can be dangerous and can disable the tablet. Do not drop or mishandle the batteries, immerse them in water, or subject them to high heat. Doing so could increase the risk of explosion or leakage, and possibly cause injury. The lithium-ion batteries used in this equipment contain material that is hazardous to your health. If battery contents come in contact with the eyes, IMMEDIATELY flush the affected area with clean water for 15 minutes and have someone else summon medical attention for you. Unaffected persons should assist the affected individual in the vital first flushing of the eyes. RECHARGING THE BATTERY MUST ONLY BE CARRIED OUT IN A NON-HAZERDOUS AREA USING THE SUPPLIED AC ADAPTOR. The definition of hazardous areas can be found in Standard EN 60079-10.

*WARNING:* When operating the tablet in a known explosive environment do not remove or replace the battery while the circuit is live. Before removing the battery verify that the area is known to be free of ignitable concentrations of flammable substances. EXPLOSION HAZARD – DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZERDOUS.
AVERISSEMENT – RISQUE D'EXPLOSION. NE PAS DÉBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, À MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX.

*WARNING:* EXPLOSION HAZARD - DO NOT REPLACE THE BATTERY UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS;
AVERTISSEMENT - RISQUE D'EXPLOSION - COUPER LE COURANT OU S'ASSURER QUE L'EMPLACEMENT EST DESIGNE NON DANGEREUX AVANT DE REPLACER LE BATTERY.

*WARNING:* EXPLOSION HAZARD - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2;
AVERTISSEMENT - RISQUE D'EXPLOSION - LA SUBSTITUTIOND E COMPOSANTSP EUTR ENDRE CE MATERIEL INACCEPTABLE POUR LES EMPLACEMENTS DE CLASSE I, DIVISION 2;

*WARNING:* EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS.
AVERTISSEMENT - RISQUE D'EXPLOSION - AVANT DE DECONNECTER L'EQUIPEMENT, COUPER LE COURANT OU S'ASSURER QUE L'EMPLACEMENT EST DESIGNE NON DANGEREUX.

*WARNING:* THIS INFORMATION TECHNOLOGY EQUIPMENT IS SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C, AND D OR NON-HAZARDOUS LOCATIONS ONLY; AVERTISSEMENT - CET ÈQUIPMENT INFORMATIQUE CONVIENT Á UNE UTILISATION AUX EMPLACEMENTS DE CLASSE I, DIVISION 2, GROUPES A, B, C, ET D OU AUX EMPLACEMENTS NON DANGEREUX SEULEMENT.

*WARNING:* Do not use any dock or any other accessory or attachment that is not manufactured or supplied by Xplore or an authorized Xplore accessories supplier. Use of any accessory or attachment that is not supplied or approved for use with the tablet by Xplore is not permitted because it may cause hazards.

Operate the tablet only from Xplore approved power sources. (See Power on page 20 for more information about the battery and power supply.) Route power supply cords so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs and convenience receptacles, and at the point where cords exit from the tablet or its dock. Do not overload wall outlets, extension cords, or integral convenience receptacles because this can cause fire or electric shock.

Unplug the tablet and refer the tablet and dock for service to qualified service personnel if any of the following conditions occur:

*   The power supply cord or plug is damaged.
*   The tablet or dock does not operate normally when you follow the instructions in this book.
*   The tablet or dock exhibits a distinct change in performance.

Adjust only controls for which there are instructions in this book. An improper adjustment of other controls can result in damage and may require extensive work by a qualified technician to restore the tablet or dock to normal operation.

*CAUTION:* Avoid prolonged physical contact with the exposed metal surfaces on the front and back of the tablet. While the tablet may not feel hot to the touch, prolonged physical contact with the tablet surface may cause low-heat injury.

# ENERGY STAR®
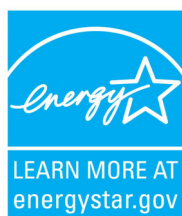


This PC is ENERGY STAR® compliant. The power management settings enabled by default on this PC have been selected for compliance with the current ENERGY STAR requirements. For optimal energy savings, ENERGY STAR recommends that Sleep mode is entered within 30 minutes of user inactivity, and the display is turned off within 15 minutes of user inactivity.

The default power management settings on this PC are:

*   Go into Sleep mode within 15 minutes of inactivity.
*   Turn off the display within 5 minutes of inactivity.

Move the mouse or press any key on the keyboard to wake this computer from Sleep mode.

To learn more about effective power management for computers and the financial savings potential, energy savings potential, and environmental benefits, please visit http://www.energystar.gov/powermanagement.

To learn more about how your organization can benefit by reducing the energy consumption of their IT equipment, please visit the Low Carbon IT Campaign website.

## About Your Computer

The XSLATE B10 is a high-performance tablet that runs on Microsoft® Windows® operating system. The method you use to control the tablet is as follows:

**Tablet Model**:
- iX101B2

**Tablet Name**:
- XSLATE B10

**Input Technology**:
- Electro-Magnetic Resonance (EMR) Technology Pen
- Capacitive Touch

**NOTE:** In this handbook, all information applies to all models unless otherwise noted.

All B10 tablets have been engineered and tested to meet Military Standards for Environmental Extremes (MIL STD 810G). Your tablet includes the following features that make it exceptionally rugged and durable:

- Durable, long-lasting, plastic enclosure
- Interior magnesium alloy frame
- Corner bumper system and gasket protection mechanisms
- Solid State mass storage
- Chemically treated rugged Display Glass

## Package Contents

Check to make sure your package includes the following items:
- Quick Start Guide
- AC adapter
- XSLATE B10 tablet
- Warranty information kit

### Optional Accessories

Your package may also include any optional accessories you ordered.

**Docking Options**:

- Vehicle Docking Station
- Desktop Docking Station

**Carrying Options**:

- Carrying handle with Stylus and Shoulder Strap
- Tablet backside hand-strap

**Additional Accessories (Optional)**:

- CAC reader expansion bay
- 1D2D bar code scanner
- Auto adapter (cigarette lighter adapter)
- Extended Battery
- Extended Battery Bracket with Kickstand
- Kensington Lock Slot
- Screen Protector
- True Serial Cable

# Contacting Xplore: Service and Questions

**NOTE:** To troubleshoot problems, before you call, read the FAQ page of the Xplore Technologies web site. Go to http://www.xploretech.com; then select Customer Support; then FAQ.

If you purchased your tablet from an authorized Xplore dealer, contact the dealer for service and support.

If you purchased your tablet directly from Xplore, use any of the following methods to contact Xplore for service and support:

**Website**: http://www.xploretech.com

**E-mail**: customersupport@xploretech.com

**Toll free**: 1-866-296-8541

**Fax**: 1-512-336-7791

Before you contact Xplore, have the following information ready so that the customer support representative can quickly provide a solution:

- Product name: XSLATE B10
- Product serial number (located on the back of the tablet)
- Conditions under which the problem occurred
- Any error messages that were displayed
- Type of device connected, if any

# Getting Started

# 2

## System Overview

This chapter gives you an overview of your tablet and includes a quick-start guide.

### Front View

Auto Light Sensor

Built-in Microphone

Front Camera

Built-in Microphone

Fingerprint Reader

System/Battery Status Indicator

SSD Activity Indicator

Reset Switch

Home Button
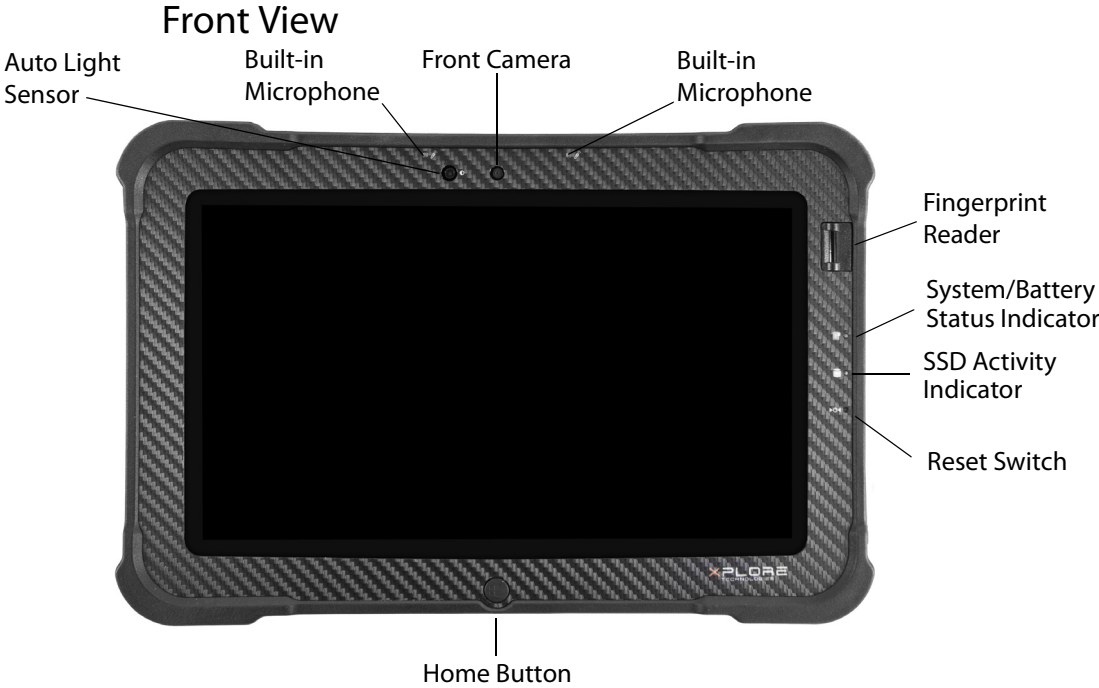
| | |
|---|---|
| Built-in Microphone | Enables audio input |
| Front Camera | HD Video front-facing camera for video conferencing, video capture or still picture capture |
| System Status Indicator | Indicates the computer status (on, off) and battery status (charging) |

| | |
|---|---|
| Home Button | Home Button for easy navigation within the Microsoft Windows environment |
| Auto Light Sensor | Detects ambient light conditions |
| SSD Access Indicator | Indicates SSD activity |
| Reset Switch | Enables you to turn off the computer when using the Power/Resume key is not effective<br>*WARNING:* Use of the reset switch could cause software corruption to occur. |

## Back View
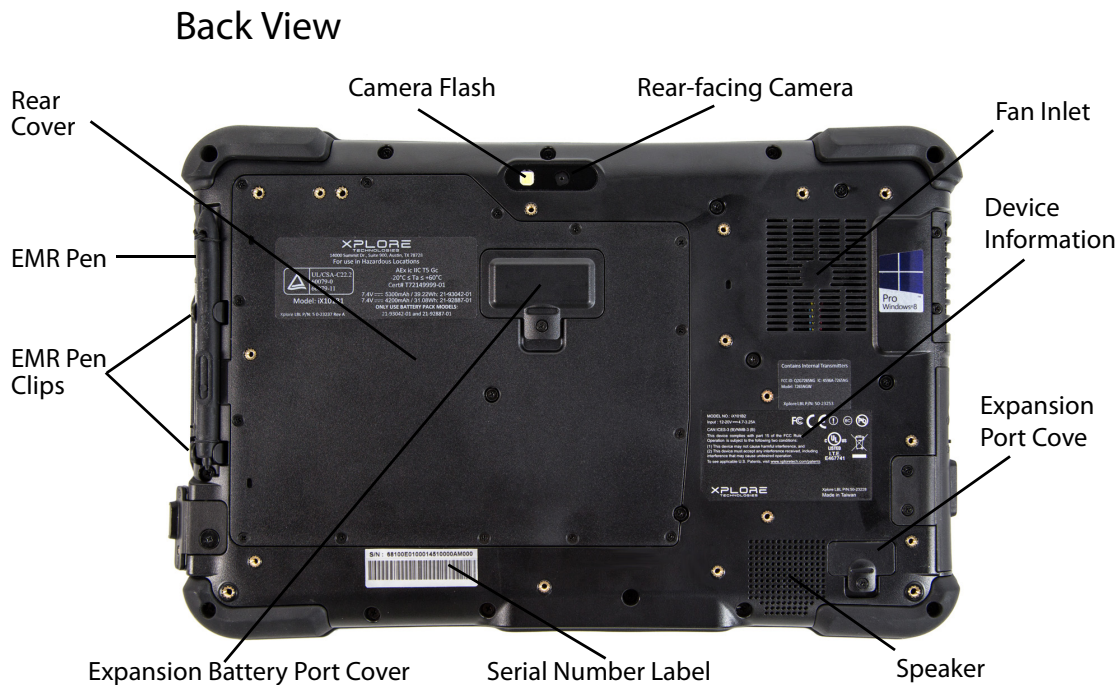


| | |
|---|---|
| Camera Flash | Light for the rear-facing camera for dim light conditions |
| Rear-facing Camera | 8 Mega Pixel rear-facing camera with flash, for high quality still photography or HD Video environment |
| Fan Inlet | Allows for intake of air into the system - Do not block |
| Device Information | Provides user with Model Number and other regulatory information |
| I/O Port Door | Input/Output door |
| Speaker | Integrated speaker for audio playback |
| Expansion Port Cover | Enables connection of expansion modules with additional functionality |
| Expansion Battery Port Cover | Exposes interface to expansion battery |
| EMR Pen Clips | Allows for secure placement of the pen when not in use |
| Rear Cover | Provides access to the internal battery, WWAN module, and SSD |

## Right Side View

Ethernet LAN Port     Volume Down     Volume Up     Power (On/Off) Suspend/Resume

19V DC Power Input     Screen Orientation Lock     Serial Port (RS-232) Access Door
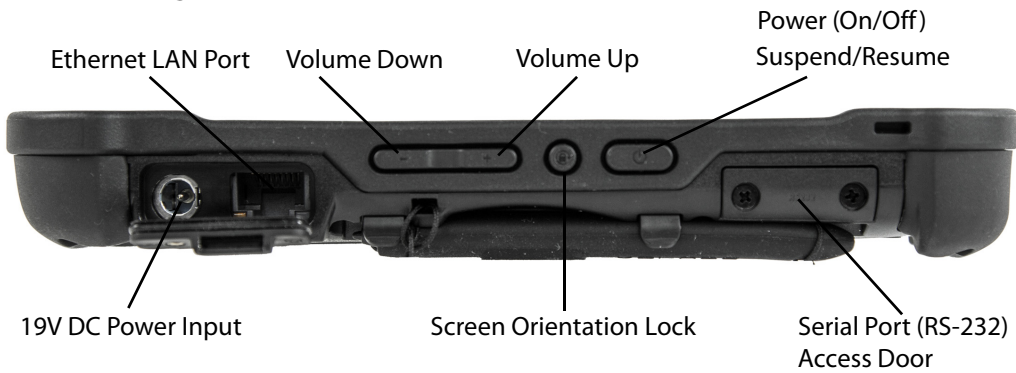
| | |
|---|---|
| Ethernet LAN Port | RJ45 for Ethernet LAN data connection |
| Volume Up/ Down | Press top of rocker button to increase Audio volume Press bottom of rocker button to decrease Audio volume |
| Power (On/Off) Suspend/Resume | Press to power computer, press and hold for 4 seconds to force power off use. Momentarily depress to enter/exit Suspend mode. |
| Serial Port | RS-232 Serial port expansion area – uses dongle cable for full serial device interface |
| Screen Orientation Lock | Locks the screen in current position regardless of tablet orientation when pressed. Press again to un-lock screen orientation (for Windows 8 or higher). |
| 19V DC Power Input | Connector Jack for AC power supply |

## Left Side View

Fan Outlet

Micro SIM
Card Slot

USB 3.0 Ports

Audio Connector

Micro HDMI Out

Micro SD Card Slot
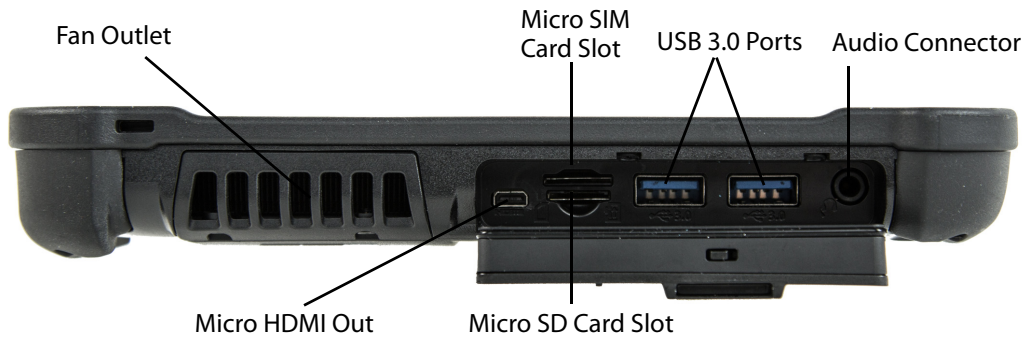
| | |
|---|---|
| Fan Outlet | Allows for movement of heat out of the system |
| Micro SIM Slot | Wireless Data Provider SIM card (insert contacts facing up) |
| USB Ports | Two full size USB 3.0 |
| Audio Connector | Headset connector for smartphone compatible earphones and microphone |
| Micro SD Card Slot | Micro SDXC memory card slot for user memory expansion (insert contacts facing up) |
| Micro HDMI Output | Micro HDMI out connector for connection to External Monitor or HDTV device |

## Bottom View

Docking Connector for Optional
Xplore Tablet Dock

Guide Pin Receptacles
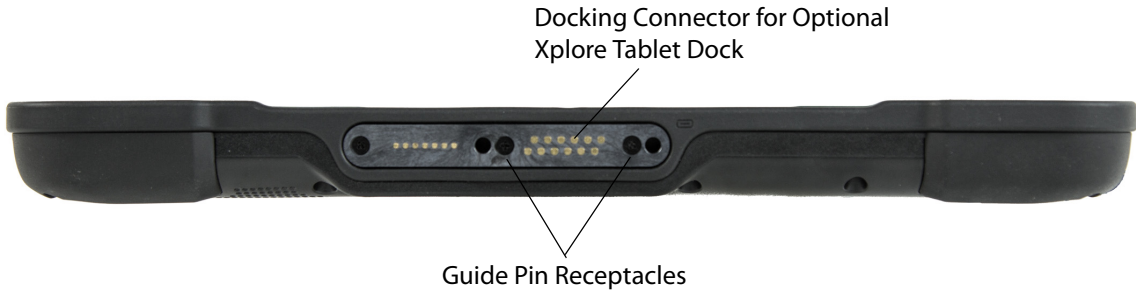
| | |
|---|---|
| Dock Connector | Enables you to connect the G2 xDock Vehicle Docking Stations |
| Guide Pin Receptacles | Help assure a secure connection of the optional G2 xDock Vehicle Docking Stations. **Note**: See "Optional Accessories on page 4. |

# LED and Camera Status Indicator Table

Camera Status Indicator

System/Battery LED Status Indicator

| System/Battery Status Indicators | System State | Power Source | Battery State |
|---|---|---|---|
| Green, Solid | ON State | DC Input Power | Fully Charged |
| | ON State | Battery Power | Discharging |
| Green, Breathing | SLEEP State | DC Input Power | Fully Charged |
| | SLEEP State | Battery Power | Discharging |
| Green, Blinking | ON or SLEEP State | DC Input Power | Charging |
| Yellow, Solid | OFF State | DC Input Power | Fully Charged |
| Yellow, Blinking | OFF State | DC Input Power | Charging |
| Off | OFF State | Battery Power | |
| Red, Blinking | Any State | Battery Power | Battery Low (<15%) |
| Red, Solid | Any State | Battery Power | Battery Low (<7%) |

# Using the Tablet

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## Suspend Operation

To conserve battery power when you do not want to turn off the computer, put the computer into Suspend mode. (You can suspend operation without closing any applications). The default configuration at time of purchase is for the system to enter suspend mode automatically after 5 minutes of no activity.

To manually enter suspend mode, briefly press and release the Power button. The display will switch off, without any confirmation menu being presented.

Power (On/Off) Display Toggle and
Suspend/Resume Button

## Resume Operation

To resume tablet operation from Suspend mode, briefly press and release the Power button.
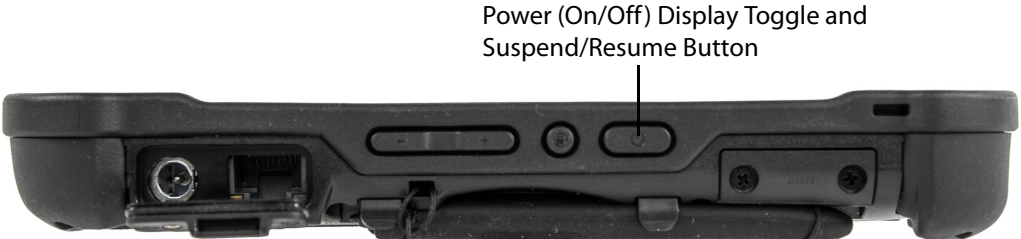
Power (On/Off) Display Toggle and
Suspend/Resume Button

**NOTE:** If the system does not resume operation, the battery may have fully discharged. Plug the tablet into an AC power source and repeat the procedure.

# Touch Screen Input Operation

| | |
|---|---|
|  | Touch- Select Item or Option<br>Touch and Hold- Open Special |
|  | Drag- Scroll the screen<br>Flick- Scroll the screen quickly<br>Drag and drop- Move an item |
|  | Pinch-Zoom |
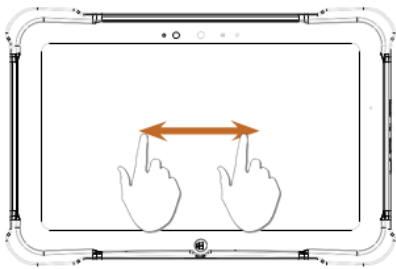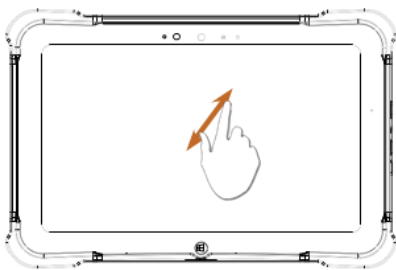
# EMR Pen Operation

You can use any of the following methods to select items and to navigate through programs.

- **Auto-Sense mode**: Use either the multifunction pen or your finger interchangeably. The computer distinguishes between the two input modes and automatically adjusts accordingly. This is the tablet's default state.

- **Digitizer mode**: Use only the special EMR pen provided with the computer.

*WARNING:* Do not use items such as a ball point pen or a screwdriver that can damage the tablet. Damage caused by using items not provided with the tablet is not covered by the tablet warranty.

NOTE: During the first use of the tablet, or if the action you are trying to perform does not occur when using the EMR pen or your finger to touch the screen, calibrate the EMR pen as described in Calibrating the EMR Pen and Touch Input on page 13.

## Using the EMR Pen to Perform Mouse Functions

| Function | Action |
|----------|--------|
| Selecting an object (Left-click) | Tap the pen tip once on the object |
| Double-click | Quickly tap the pen tip twice on the object |
| Right-click | Hold the pen tip (or finger) directly on the object for 1 second |
| Move or drag an object | Place the pen tip (or finger) on the object and move or drag the content to the desired location |

## Changing the EMR Pen Double-Click Speed

The pen double-click speed is in sync with the mouse double-click speed. To change the speed, follow the instructions below.

1. From the **Start** menu, select **Control Panel**.
   The **Control Panel** window opens.

2. Select **Hardware and Sound**.
   The **Hardware and Sound** window opens.

3. From the **Pen and Touch** section, select **Change tablet pen settings**.
   The **Pen and Touch** window opens.

4. From the **Pen actions** section, tap to highlight the **Double-tap** option, then tap the **Settings** button.
   The **Double-Tap Settings** window opens.

5. Using the EMR pen, drag the slider within the **Speed** section, to a faster or slower speed.
   ***Note:*** Use the **Test settings** option to test and further calibrate the speed options selected.

6. Once the desired settings have been selected, tap the **OK** button to save the settings.

7. Tap the **OK** button again to save the action and close the window.

## Calibrating the EMR Pen and Touch Input

Calibrating the EMR pen and touch input settings adjusts the cursor position on the screen relative to the position of the pen tip or finger. Calibrate the EMR pen to adjust the distance error between where the pen or finger is actually touching the screen and where the computer is registering the pen or finger touch. You may need to calibrate the pen or touch input in the following situations:

• The tablet is being used for the first time.

• The previous user of the tablet writes with the opposite hand or at a different pen angle.

• The tablet has not been used for some time.

• The tablet has been serviced.

To calibrate the EMR pen, perform the following steps:

1.  From the **Start** menu, select **Control Panel**.
    The **Control Panel** window opens.

2.  Select **Hardware and Sound**.

3.  In the **Tablet PC Settings** section, select **Calibrate the screen for pen or touch input** and follow the instructions for calibrating the pen or touch input settings.

# Maintaining the Tablet

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## Caring for the Tablet

This section provides information about how to keep your tablet in top working condition.

### Checking Power Cords and Connectors

Check AC and DC power cords and power connectors periodically for damage. Replace the power cord immediately if you find any damage.

### Protecting the Computer from Damages

- Do not intentionally drop the computer because the cumulative effects of multiple drops may damage the computer.
- Do not place heavy objects on the computer.
- Do not disassemble the computer.
- Keep the computer at least 5 inches (13 centimeters) away from any electrical appliance that generates a strong magnetic field, such as a motor, magnet, TV, refrigerator, or large audio speakers.

### Storing the Computer

You can store the computer in the Off state for about 30 days with a fully charged battery installed. After this period, recharge the battery or replace it with a charged battery.

## Caring for the Display Screen

To clean the display screen, a soft cotton cloth dampened with water can be used to gently wipe the screen surface. Additionally, the following disinfecting agents can also be used with no long-term exposure:

- Isopropyl Alcohol (70% Concentration)
- Denatured Alcohol
- Hydrogen Peroxide (50% Concentration)
- Bleach (50% Concentration)
- Disinfectant Cleaner such as Lysol® and Amphyl®

**NOTE:** For best results, clean the display using any household glass cleaner.

## Protecting the Computer Screen

The screen protector is a durable, replaceable writing surface that protects the display screen from abrasion.

To obtain screen protectors, check with your reseller, or go to the Xplore Web site at www.xploretech.com for ordering information. Additional information about installation is included with the screen protectors.

## Removing the Screen Protector

Slide your fingernail under the edge of the screen protector and pull the protector away from the screen.

## Installing a New Screen Protector

Follow the instructions included with your screen protector replacement kit.

**NOTE:** If a screen protector is already installed on the display screen, remove it before installing the new screen protector.

# Troubleshooting

# 5

The table below contains solutions to common issues. If you are unable to resolve an issue by using the actions described below, contact your local help desk or reseller for further assistance.

**Table 1: Troubleshooting**

| Issue | Possible Cause and Solution |
|---|---|
| Computer will not start | • The battery may be defective or discharged to a critically low level. Connect an external power supply (such as the AC adapter) or install a charged battery. See Using the Tablet on page 11.<br>• Internal components may be above or below the acceptable operating range below -20° C or above 60° C). After the temperature returns to safe operating range the computer will start. |
| Computer will not resume operation | • The battery may be defective or discharged to a critically low level. When the battery reaches a critically low level, the computer is forced into Suspend mode to avoid a total system power failure. Connect an external power supply (such as the AC adapter) or install a charged battery. See Using the Tablet on page 11.<br>• The computer may be at the critical thermal limit. To avoid damage to heat-sensitive components, the computer enters Suspend mode when the computer operates above 60° C. Operation automatically resumes when the computer cools to below 60° C. Move the computer to a cooler location after being suspended |
| The status LED is red, continuous | • The computer is on, running under battery power, and the charge level in the battery has reached a critical level. Plug the computer into an AC/DC power source or install a charged battery. |

| Issue | Possible Cause and Solution |
|---|---|
| The status LED is red, blinking | • The computer is powered on, running under battery power, and the charge level in the battery is at a minimum warning level. Plug the computer into an AC/DC power source or install a charged battery. |
| Display screen is blank or difficult to read | • Confirm that the computer is on (the Power icon is continuously displayed in Status area).<br>• The brightness may be set too low, causing the screen to appear too dark. To change system brightness, press Settings Icon, Display, Brightness.<br>• The video time-out may have expired. Tap the display screen to reactivate the display. **Note:** This is a normal, power-saving feature. |
| Headphone or speaker volume is too low | • The volume may be in Mute mode or set too low. Follow the instruction to adjust headphone or speaker volume.<br>• Make sure the volume control in your audio software is set to an audible level. |
| An external device is not working with the computer | • The device may need to be enabled in the computer's configurator program. Contact your local help desk or reseller. |

# Hardware Specifications

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| Physical | |
|---|---|
| Dimensions | 11.05" (28.1cm) x 7.07" (18cm) x 0.86" (2.2cm)  (W x H x H) |
| Weight | 2.4lbs (1.09 kgs) |
| **Processing** | |
| Dimensions | Intel® Core™ i5-5350U |
| Processor Speed (Typ/Max) | 1.8 GHz/2.9GHz |
| **Memory/Storage** | |
| Main RAM | 8GB DDR3L-1600 |
| RAM Options | None |
| Storage | 128GB or 256GB SSD |
| Storage Expansion | One User accessible micro SDXC |
| **Display** | |
| Display | • 10.1" WXGA (1366x768) 16:9 Rugged IPS LCD backlit display<br>• 500 NITS direct bonded screen<br>• 170 degree viewing cone (85 degree off axis)<br>• Contrast ratio 800:1 aspect ratio<br>• Automatic light sensor (ALS)<br>• Multi touch<br>• Glove touch<br>• Wet touch* |
| Graphics | Intel® HD Graphics 6000 |
| **Interface** | |
| Integrated Communications | • Wireless LAN: 802.11ac<br>• Bluetooth 4.0<br>• GPS 2.0 meter accurate<br>• LAN: 10/100/1000 Gigabit Ethernet (RJ45) |

| | |
|---|---|
| Integrated Interfaces | • DC-in<br>• 2 USB 3.0<br>• Micro SDXC<br>• Micro HDMI-out<br>• Micro SIM Card Reader<br>• RS-232 Serial Ready port<br>• Headphones/Speaker mini-Jack Stereo, smartphone compatible |
| KeyPad/ User Controls | • Power On/Off/Suspend/Resume button<br>• Volume Up/Down<br>• Rotation Lock<br>• Home Button |

| **Power** | |
|---|---|
| Main Battery | • 7.4V Serviceable Lithium Ion<br>• Recharge Time: 3.5 hours (90%)<br>• Suspend Life: Min. 5 days |
| AC Adapter | Auto-sensing 100-240V, supplying19 VDC, with a current of 3.42 A |

| **Environmental** | |
|---|---|
| Temperature | • Operating: $-4^0$ to $140^0$ F ($-20^0$ to $60^0$ C): Handheld use Non-hazardous locations<br>• Operating: $-4^0$ to $104^0$ F ($-20^0$ to $40^0$ C): Handheld use Hazardous locations<br>• Operating: $-4^0$ to $104^0$ F ($-20^0$ to $40^0$ C): With AC power adapter<br>• Storage: $-22^0$ to $158^0$ F ($-30^0$ to $70^0$ C) |
| Humidity | 95% non-condensing |
| Shock/Drop | Operating 5' (1.52 meter) direct to plywood over concrete. 26 drops per Mil Std 810. External battery is not installed. |
| Vibration | Minimum integrity. Vehicle vibration. US highway truck |
| IEC Ingress testing | IEC (60529) Ingress tested to an IP65 standard |

| **Agency Approvals** | |
|---|---|
| Emissions and Immunity | • Immunity: CISPR 24, EN 55024<br>• Emissions: EN 55022, CISPR 22, 47 CFR Part 15, Subpart B, ICES-003 for Class B (US, CAN, EU), CEC, Regulatory bulletin No 110915.02B (BCS), ERP directive |
| Safety | IEC 60950 CB Scheme (US, CAN, EU) |

| **Operating System** | |
|---|---|
| Operating System | • Windows® 8.1 Pro, 64 bit<br>• Windows® 7 Pro SP1, 64 bit |

*Requires Xplore approved screen protector

# Agency Notes

<div style="text-align: right; font-size: large;">7</div>

## FCC Notices

This device complies with Part 15 of the FCC Rules. 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. Modifications not expressly approved by Xplore Technologies could void this user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### WLAN: (Wi-Fi)

Please note that 5150-5250MHz (Ch. 36-48) is restricted to indoor-use only in many countries including the United States.
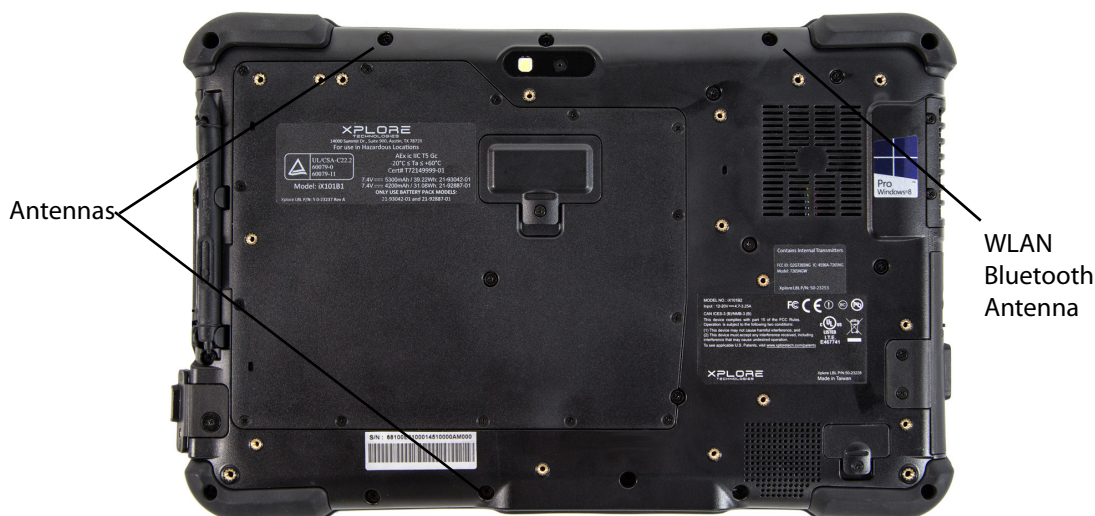
# RF Exposure

Tests for SAR are conducted using standard operating positions specified

By the FCC with the tablet PC transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the tablet PC while operating can be well below the maximum value. This is because the tablet PC is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a tablet PC model is available for sale to the public, it must be tested and certified to the FCC and IC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., next to body/lap) as required by the FCC for each model. (Next to body/lap measurements may differ among tablet PC models, depending upon available accessories and FCC and IC requirements). While there may be differences between the SAR levels of various tablet PCs and at various positions, they are all required to meet the government regulations for safe exposure.

This device was evaluated and shown to comply with FCC and IC SAR RF exposure requirements.

Avoid covering or holding antennas when transmitting. Antenna locations are shown in the following figure.



Antennas

WLAN
Bluetooth
Antenna

# Health and Safety Information

## Exposure to Radio Frequency (RF) Signals

Your wireless tablet PC is a radio transmitter and receiver. It is designed and

Manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government as well as the RTT&E directive. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population.

The guidelines are based on the safety standards previously set by both U.S. and international standards bodies:

- American National Standards Institute (ANSI) IEEE. C95.1-1992
- National Council on Radiation Protection and Measurement (NCRP). Report 86. 1986
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1996
- Ministry of Health (Canada), Safety Code 6. The standards include substantial safety margin designed to assure the safety of all persons, regardless of age and health.
- European Union RTT&E Directive for SAR

The exposure standard for wireless mobile tablet PCs employs a unit of Measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. The SAR limit set by the RTT&E is 2.0W/kg.

NOTE: In the U.S. and Canada, the SAR limit for mobile tablet PCs used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. In Europe the SAR limit for mobile tablet PCs used by the public is 2.0 watts/kg (W/kg) averaged over 10 grams of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations.

## 5G Functionality

This tablet PC has 5G functionality and can be operated in the following countries:

| AT | BE | BG | CH | CY | CZ | DE | DK |
|----|----|----|----|----|----|----|----|
| EE | ES | FI | FR | GB | GR | HU | IE |
| IT | IS | LI | LT | LU | LV | MT | NL |
| NO | PL | PT | RO | SE | SI | SK | TR |

WARNING: This device is restricted to indoor use only when operating within the 5150 to 5350 MHz frequency range.

# WLAN BGN Functionality

The Intel® Dual Band Wireless-AC 7265 is an 802.11ac module with Bluetooth® 4.0 included. The M.2 form factor module plugs into an M.2 slot and uses PCI Express (PCIe) for Wi-Fi connectivity and achieves up to Bluetooth Class 1 for Bluetooth device connectivity. The Intel Dual Band Wireless-AC 7265 broadcasts 802.11a, b, g, n, and ac and allows for the 2.4GHz band to share the auxiliary antenna with Bluetooth.

# WWAN Support Band

The Sierra EM7305 supports the following bands:

| Technology | Bands | Notes | Data Rates |
|---|---|---|---|
| **LTE** | • Band 1 (2100 MHz)<br>• Band 3 (1800 MHz)<br>• Band 7 (2600 MHz)<br>• Band 8 (900 MHz)<br>• Band 20 (800 MHz) | MIMO Support | Category 3<br>• Downlink:<br>    100 Mbps (20 MHz bandwidth)<br>    50 Mbps (10 MHz bandwidth)<br>• Uplink:<br>    50 Mbps (20 MHz bandwidth)<br>    25 Mbps (10 MHz bandwidth) |
| **UMTS (WCDMA)**<br>**HSDPA**<br>**HSUPA**<br>**HSPA+**<br>**DC-HSPA+** | • Band 1 (2100 MHz)<br>• Band 2 (1900 MHz)<br>• Band 5 (850 MHz)<br>• Band 8 (900 MHz) | Diversity Support | HSPA + rates<br>• Downlink: Up to 42 Mbps<br>    (Category 24)<br>• Uplink: Up to 5.76 Mbps<br>    (Category 6) |
| **GSM**<br>**GPRS**<br>**EDGE** | • GSM 850 (850 MHz)<br>• EGSM 900 (900 MHz)<br>• DCS 1800 (1800 MHz)<br>• PCS 1900 (1900 MHz) | | EDGE throughput up to 236 kbps |
| **GNSS** | • GPS: 1575.42 MHz<br>• GLONASS: 1602 MHz | | |

# DOC (Industry Canada Notices)

## Notice to Users of Radio and Television

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and

2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et

2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**CAN ICES-3 (B) / NMB-3 (B)**

The device could automatically discontinue transmission in case of absence of information to transmit, or operational failure. Note that this is not intended to prohibit transmission of control or signaling information or the use of repetitive codes where required by the technology. The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems; the maximum antenna gain permitted (for devices in the bands 5250-5350 MHz and 5470-5725 MHz) to comply with the e.i.r.p. limit; and The maximum antenna gain permitted (for devices in the band 5725-5850 MHz) to comply with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate, as stated in section A9.2(3). In addition, High-power radars are allocated as primary users (meaning they have priority) of the band 5250-5350 MHz and this radar could cause interference and/or damage to LE- LAN devices.

**IC radiation exposure statement**

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528.

**RF Exposure Information (SAR)**

This device meets the EU requirements (1999/519/EC) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

**Intel® Dual Band Wireless-AC 7265 Country-specific Compliance Statements**

Hereby, Xplore Technologies declares that the Intel® Dual Band Wireless-AC 7265 complies with the essential requirements and other relevant provisions of Directive 1999/5/EC. This equipment is marked with the CE symbol and can be used throughout the European community.

**Sierra EM7355/7305 Country-specific Compliance Statements**

Hereby, Xplore Technologies declares that the Sierra EM7355 complies with the essential requirements and other relevant provisions of Directive 1999/5/EC. This equipment is marked with the CE symbol and can be used throughout the European community.

# UL Notice

This unit requires an AC adapter to operate. Use only the approved adapter.



For authorized repair technicians only.

***WARNING:*** For continued protection against risk of fire, replace only with the same type and rating fuse. The approved power adapter for this unit is manufactured by FSP Group, Inc., Model FSP065-REB.

***WARNING:*** Danger of explosion if Lithium (clock) battery is incorrectly replaced. Replace only with the same equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instruction.

# System Disposal

In the event of system disposal, observe the following information regarding proper procedures in the State of Vermont.

The liquid crystal display (LCD) lamps used in this system contain mercury. In the event of system disposal, be sure to follow local guidelines.

# Environment

# 8

## Environmental Policy

Xplore Technologies is committed to managing health, safety and environmental (HS&E) matters as an integral part of our business. In particular, it is our policy to assure the HS&E integrity of our processes and facilities at all times and at all places. We will do so by adhering to the following principles:

## Compliance

We will comply with applicable laws and regulations and will implement programs and procedures to assure compliance. Compliance with HS&E standards will be a key ingredient in the training, performance reviews, and incentives of all employees.\

## Risk Reduction and Prevention Management

We will seek opportunities, beyond compliance requirements, for reducing risk to human health and the environment, and we will establish and meet our own HS&E quality standards where appropriate.

We will employ management systems and procedures specifically designed to prevent activities and/or conditions that pose a threat to human health, safety, or the environment. We will look for ways to minimize risk and protect our employees and the communities in which we operate by employing clean technology, including safe technologies and operating procedures, as well as being prepared for emergencies.

We will strive to minimize releases to the air, land, or water through use of cleaner technologies and the safer use of chemicals. We will minimize the amount and toxicity of waste generated and will ensure the safe treatment and disposal of waste. We will manage scarce resources, such as water, energy, land, and forests in an environmentally sensitive manner.

## Communication

We will communicate our commitment to HS&E quality to our employees, vendors, and customers. We will solicit their input in meeting our HS&E goals and in turn will offer assistance to meet their goals.

## Continuous Improvement

We will measure our progress as best we can. We will review our progress at least on an annual basis. We will continuously seek opportunities to improve our adherence to these principles, and will periodically report progress to our stakeholders

If you do not have access to the internet please contact our technical support at (866) 296-8541.

# Take Back and Recycling Program

Send us your unwanted Xplore products and/or batteries, or find a recycling center near you. If your old Xplore product and/ or batteries have no value or you want to recycle in a socially and environmentally responsible manner, go to http://www. xploretech.com/ contact and submit a technical support request. Select "Technical support" in the drop down menu under "Reason". Fill in the remaining fields. Under "Message" type in "I want to recycle my product". Click "Submit" and an Xplore Technologies specialist will contact you with shipping instructions.

Alternatively customers can choose to drop their unwanted Xplore products at a local recycling center. For batteries Xplore Technologies has partnered with Call2Recycle® (http://www.sustainableelectronics.org). Call2Recycle® is a program of the Rechargeable Battery Recycling Corporation (RBRC) promoting environmental sustainability by providing free battery and cell phone recycling in North America. RBRC is a 501(c)4 nonprofit public service organization.

For the return of any other Xplore Product (excluding batteries) Xplore Technologies has partnered with R2 Solutions (http:// www.r2solutions.org/). R2 Solutions (R2S) is a non-profit organization established to house the R2 Practices for proper recycling practices and provide. To find a location near you please go to R2 certified recycler locations (http://asoft552.accrisoft.com/ certified/electronic-recyclers-with-r2-certified-facilities/). If you prefer to have Xplore Technologies recycle your battery packs please submit a technical support request as described above.

# Environmental and Sustainability Corporate Report

As the manufacturer of the world's most advanced ruggedized tablet PC, and peripherals, Xplore Technologies is recognized in the efficient design and manufacturing of it products. In this inaugural Corporate Environmental Responsibility Report we

outline our plans and aspirations to sustain our environment. As you review this report, we welcome your candid feedback. We know that CSER is a journey and your input will help us along the way.

In 2011, Xplore Technologies Corporation of America established the Xplore Technologies Environmental committee to proactively work with stakeholders including customers, nongovernmental organizations (NGOs), and other interested groups on environmental issues. As a result of the committee's work, we have implemented initiatives to improve our performance across the spectrum of corporate environmental responsibility issues. Our progress on implementing these issues is outlined in this report.

While the Xplore Technologies Environmental committee has only been active since 2012 we have always cared for the environment and this has been a core value since Xplore Technologies was founded more than fifteen years ago. We are proud of our accomplishments to date and, we are committed to continuously improve in the future.

Publishing this report is a significant step toward the goal of becoming an environmental sustaining leader of our industry. Going forward, we will persist to perfect our environmental performance and transparency. We will also leverage our role as an industry leader and actively support international organizations and industry associations working to improve environmental conditions.

The Xplore Technologies 2012 Environmental and sustainability corporate report is located at http://www.xploretech.com/environment. To obtain the report please click on "Environmental Sustainability Report 2012". Feel free to save this to your personal files. If you do not have access to the internet please call technical support at (866) 296-8541 and request a digital copy be sent to your e-mail.

# Contacting Xplore: Service and Questions

**NOTE:** To troubleshoot problems (including wireless and GPS problems), before you call, read the FAQ page of the Xplore Technologies website. Visit http://www.xploretech.com, select Customer Support, then FAQ.

If you purchased your tablet from an authorized Xplore dealer, contact the dealer for service and support. If you purchased your tablet directly from Xplore, use any of the following methods to contact Xplore for service and support:

- **Website**: http://www.xploretech.com
- **E-mail**: customersupport@xploretech.com
- **Toll-free**: 1-866-296-8541
- **Fax**: 1-512-336-7791

Before you contact Xplore, have the following information ready so that the Customer Support Representative can quickly provide a solution:

- **Product Name**: XSLATE B10
- **Product Serial Number**: (This can be located on the back of the tablet)
- Conditions under which the problem occurred
- Any error messages that were displayed
- Type of device connected, if any

# XPLORE TECHNOLOGIES

# Declaration of Conformity

Xplore Technologies, Corp. hereby declares under our sole responsibility that the product

- ✓ Name: Super Bobcat
- ✓ Model: **iX101B2**

*To which this declaration relates, is in compliance with all the applicable essential requirements, and other provisions of the European Council Directives listed. The conformity assessment procedure used for this declaration is Annex IV of **Directive 1999/5/EC**. This product will bear the CE Mark label (**CE !**)*

**DIRECTIVES:**

- **Council Directive 2002/96/EC** (WEEE Directive)
- **Council Directive 2002/95/EC** (RoHS Directive)
- **Council Directive 2009/125/EC** (ErP Directive)
- **Council Directive 72/245/EEC including amendments and corrigenda to 2004/104/EC.**
  - o The iX101B2 is only compliant to the stated directive when used with the X-DIM G2 dock, Xplore PN: 02-05147

- **Council Directive 2004/108/EC** (EMC Directive)
  - o EN 55022:2010/AC:2011 Class B
  - o EN 55024:2010
  - o EN 61000-3-2: 2006:2014
  - o EN 61000-3-3: 2013

- **Council Directive 2006/95/EC** (Low Voltage Directive)
  - o EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2012 1+A2:2013

- **Council Directive 1999/5/EC** (Radio and Telecommunications Terminal Equipment) (R&TTE Directive)
  - o EN 301 489-1 V1.9.2:2011
  - o EN 301 489-3 V1.6.1:2013-08
  - o EN 301 489-7 V1.3.1:2005-11
  - o EN 301 489-17 V2.2.1:2012
  - o EN 301 489-24 V1.5.1:2010-10
  - o EN 300 440-1 V1.6.1:2010
  - o EN 300 440-2 V1.4.1:2010
  - o EN 300 328 V1.9.1
  - o EN 301 511 V9.0.2:2003-03
  - o EN 301 893 V1.7.1: 2012-06
  - o EN 301 908-1 V7.1.1:2015-03
  - o EN 301 908-2 V6.2.1:2013-10
  - o EN 301 908-13 V6.2.1: 2013-10
  - o EN 50566:2013/AC:2014
  - o EN 62311:2008
  - o EN 62479:2010
  - o EN 62209-2:2010

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David J Ball

Senior Regulatory and Compliance Specialist

**The technical construction file is kept available at:**
Xplore Technologies Corp.
14000 Summit Dr, Ste 900
Austin, TX 78728
USA    888-44-XPLORE, FAX: 512-485-1505, www.xploretech.com

09 July 2015 Austin, TX, USA

Date                    Place

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