USER
GUIDE

SONIM XP1520

English

SONim®
BUILT FOR LIFE™

Disposal of Old Electrical and Electronic Equipment

The symbol of the crossed-out wheeled bin indicates that within the countries in the European Union, this product, and any enhancements marked with this symbol, can not be disposed as unsorted waste but must be taken to separate collection at their end- of-life.

Disposal of Battery

Please check local regulations for disposal of batteries. The battery should never be placed in municipal waste. Use a battery disposal facility if available.

Guideline for Headphone and Earphone

To prevent possible hearing damage, please do not listen at high volume levels for long periods.

Contents

3 COMPREHENSIVE 3-YEAR WARRANTY

- Please register your phone within 30 days at www.sonimtech.com/register, to receive product information and updates. For more information related to the warranty, please refer to "Our Warranty" on page 82.

Congratulations on the purchase of a Sonim XP1520 mobile phone. This phone is a GSM/GPRS/EDGE/UMTS enabled handset with quad-band capabilities and has an intuitive, feature-rich user interface, which allows you to make the best use of the offered functions.

Phone Models Covered

This user guide covers Sonim XP1520 phone models XP1520-A-R1 and XP1520-E-R2. The model names can be read on the phone label under the battery.

This device utilizes the following 2G RF bands: GSM 850, GSM 900, DCS 1800, PCS 1900 MHz bands and supports the UMTS 850 MHz, 1900 MHz and 2100 MHz bands.

Network Services

These are additional services that you can avail through your network service provider. To make the best of these services, you must subscribe to them through your service provider and obtain instructions for their use from your service provider.

Sonim Support Information

For additional product and support information, visit www.sonimtech.com.

Use the Guide Effectively

Familiarize yourself with the terminology and symbols used in the guide to help you use your phone effectively.

HOME SCREEN	This is the screen displayed when the phone is in idle condition.
PRESS	Means to press and release a key immediately. For example, Press 2 means that you press the key on the keypad that is labelled with the numeral 2 and the alphabets "ABC".
SELECT	Means to either press the Left or Right Selection Key to apply the command indicated at the bottom of the screen. The Center navigation key can also be used to select options. For example, if this guide says Select **Menu > Messages > Write message,** you must press the Left Selection Key to select Menu, scroll to Messages and press the Left Selection Key, scroll to Write message and press the Left Selection Key. To return to the previous screen, press the Right Selection Key.
PRESS & HOLD	Means to press and hold a key for 2 seconds before releasing the key. This action is typically used when trying to switch on/off the phone or when using shortcut keys to access specific functions. For example: press and hold 1 to access voicemail.
MENU OPTIONS	Press **Options** to display menu options on the screen. The selection keys are used to accomplish the indicated option.

SELECT MENU	Means to press the **Left Selection Key** to select the **Menu** option or press the **Menu** key (centre) for the same result.
A MENU ITEM SUFFIXED WITH THREE DOTS (…)	Means more options are available but only one has been mentioned in the guide.
	Signifies a Note.

| BACK KEY | Use this key to display the previous screen. |

Options Commonly Used across Menu Items

The following are common actions used across various menu items:

BACK	Displays the previous screen. Use the Right Selection Key to perform this function.
CLEAR	Deletes data character by character. Use the Right Selection Key to perform this function.
OK	Confirms an action. Use the Left Selection Key or the **Menu** key to perform this function.
CLEAR KEY	Use this key to delete while editing a message or delete a selected item in a list.

Please read and understand the following safety guidelines before you use the phone. These guidelines provide details to enable you to operate your phone safely and conform to any legal requirements regarding the use of cellular phones.

	Do not to use the phone at a refuelling point. Observe restrictions when using radio equipment at fuel depots, chemical plants or where blasting operations are in progress.
	Electrical interference may obstruct the use of your phone. Observe restrictions in hospitals and near medical equipment.
	Switch off your cellular phone when in an aircraft. Wireless phones can cause interference or danger to an aircraft. In an aircraft, the phone can be used in flight mode.
	Do not expose the battery to high temperatures (in excess of 60°C).
	Adhere to road safety laws. Do not hold/use a phone while you are driving; find a safe place to stop first. Use hands-free microphone while you are driving.
	Avoid using the phone in close proximity to personal medical devices, such as pacemakers and hearing aids.
	Use only Sonim XP1520 approved charging equipment to charge your phone and avoid damage to your phone.
	The symbol of the crossed-out wheeled bin indicates that this product, and any enhancements marked with this symbol, can not be disposed as unsorted waste but must be taken to separate collection at their end-of-life.

	Ensure that only qualified personnel install or repair your phone.
	The Sonim XP1520 is water-proof and can be submerged to 2 metres for 30 minutes.
	• Ensure to properly close the rubber cover of the charging connector and audio connector, to avoid deposits of water drops on these connectors, when the phone is immersed in water.
	• Water droplets may condense under the display cover if the phone is immersed in water with significant drop in temperature. This does not indicate water leakage. The droplets will disappear at room temperature.
	The Sonim XP1520 is dust-resistant, rugged and shock-resistant. However, it is not dust-proof or unbreakable if subjected to overwhelming impact. For best results and long product life, one should protect the Sonim XP1520 from salt water, dust and strong impacts.
	Make back-up copies of important information stored in your phone or maintain a written record, using Sonim PC-tools application.

Battery Performance

A rechargeable battery powers your device. Use the battery only for its intended purpose. Never use any charger or battery that is damaged. If the battery is completely discharged, it may take a few minutes before the charging indicator appears on the display or before any calls can be made. The full performance of a new battery is achieved only after three to four complete charge and discharge cycles. The battery can be charged and discharged hundreds of times but it will eventually wear out. Unplug the charger from the electrical plug and the device when not in use. Ensure that you do not leave the fully charged battery connected to the charger for longer time. If left unused, a fully charged battery will lose its charge over time.

📄 | There is a risk of explosion while charging if the battery has been replaced by an incorrect type.

Battery Replacement

When the talk and standby times are noticeably shorter than normal, replace the battery with an original Sonim battery. If a replacement battery is being used for the first time or if the battery has not been used for a prolonged period, it may be necessary to connect the charger and then disconnect and reconnect it to begin charging the battery.

Avoid Short Circuit

Do not short-circuit the battery. An accidental short-circuit can occur when a metallic object such as a coin, clip, or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. A short-circuit at the terminals may damage the battery or the connecting object.

Avoid High Temperatures

Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. For the best results, try to keep the battery between -20°C and +55°C (-4°F and 131°F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is particularly limited in temperatures well below freezing.

Battery Disposal

Do not dispose off batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations and recycle when possible. Do not dispose as household waste. Do not dismantle, open or shred cells or batteries. In the event of a battery leak, do not allow the liquid to come in contact with the skin or eyes. In the event of leak or a hazard seek medical help immediately.

Personal Medical Devices

Mobile phones may affect the operation of cardiac pacemakers and other implanted equipment. Please avoid placing the mobile phone over the pacemaker, for example in your breast pocket. When using the mobile phone, place it at the ear opposite the pacemaker. If a minimum distance of 15 cm (6 inches) is kept between the mobile phone and the pacemaker, the risk of interference is limited. If you suspect that interference is taking place, immediately turn off your mobile phone.

Contact your cardiologist for more information. For other medical devices, consult your physician and the manufacturer of the device. Comply with instructions to switch off the device or deactivate the RF transmitter when required, especially when posted in hospitals and aeroplanes. Equipment used in these places may be sensitive to radio waves emitted from the device and adversely affect their operation. Also, observe restrictions at gas stations or other areas with flammable atmosphere or when close to electro-explosive devices.

Child Safety

Do not allow children to play with your mobile phone or its accessories. Keep it out of their reach. They could hurt themselves or others, or could accidentally damage the mobile phone or accessories. Your mobile phone and its accessories may contain small parts, which could be detached and create a choking hazard.

Emergency Calls

Mobile phones operate using radio signals, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any mobile phone for essential communications (e.g. medical emergencies). Emergency calls may not be possible in all areas, on all cellular networks, or when certain network services and/or mobile phone features are in use. Check with your local service provider.

SAR Information

The Sonim XP1520 has been certified in compliance with the Government's requirements for exposure to Radio Waves.

When communicating over the wireless network, the mobile phone emits via the radio frequency waves low levels of radio energy. The Specific Absorption Rate, or SAR, is the amount of RF energy absorbed by the body while using the phone and is expressed in watts/kilogram (W/kg).

Governments around the world have adopted comprehensive international safety guidelines, developed by scientific organizations, for example, ICNIRP (International Commission on Non-Ionizing Radiation Protection) and IEEE (The Institute of Electrical and Electronics Engineers Inc.). These guidelines establish permitted levels of radio wave exposure for the general population.

Tests for SAR are conducted using standardized methods with the phone transmitting at its highest certified power level in all used frequency bands.

SAR Data Information for residents in countries that have adopted the SAR limit recommended by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). For example, European Union, Japan, Brazil and New Zealand.

The limit recommended by ICNIRP is 2 W/kg averaged over ten (10) gram of tissue.

The highest SAR value for the Sonim XP1520-E-R2 phone when tested by Sonim for use:

• By the ear is 0.845 W/kg (10 g).

• Worn on the body is 1.220 W/kg (10 g).

SAR Data Information for residents in the United States and Canada.

In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kilogram

averaged over one gram of tissue. The standard incorporates a margin of safety to give additional protection for the public and to account for any variations in measurements.

Before a phone model is available for sale to the public in the US, it must be tested and certified by the Federal Communications Commission (FCC) that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (that is, by the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for the Sonim XP1520-A-R1 phone when tested by Sonim for use:

• By the ear is 1.210 W/kg (1 g).

• Worn on the body is 1.110 W/kg (1 g).

For body-worn operation, this phone meets FCC RF exposure guidelines provided that it is used with a non-metallic accessory with the handset at least 1.5 cm from the body, or with the original Sonim accessory intended for this phone and worn on the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

This section provides information on using your Sonim XP1520 phone.

The list of items in the Sonim XP1520 phone box are:

• Sonim XP1520 phone

• Tip sheet

• Quick Start Guide

• Welcome Letter

• Battery

• Screw driver

• Wired headset

• USB Adaptor

• Data Cable

• Wall Charger

Battery Usage

• Use only a Sonim XP1520 certified battery that is designed for this phone model.

• The use of other batteries may void the warranty terms of your phone and cause damage.

   • It is recommended to protect the battery from extreme temperature environments and moisture.

• Please keep the battery out of the reach of children.

Inserting the Battery

1 Unscrew Cover

To open the battery cover, rotate both the battery cover screws in an counter clockwise direction (as shown in the figure). Sometimes, the battery cover may be tight and some extra effort is required to open it. You can use the screwdriver provided to open the screws.

2 Lift Cover

Lift the back cover to reveal the battery slot.

3 Insert Battery

Insert the battery and flush into the battery slot such that the three metallic contacts at the top of the battery are aligned with the metallic contacts within the battery compartment.

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4 Close Cover

Close the battery cover. Rotate the battery cover screws in clockwise direction. You can use the screwdriver provided to tighten the screws. Ensure not to overtighten the screws.

Removing the Battery

Follow steps 1 and 2 of "Inserting the Battery" on page 14.

To remove the battery, lift the cover behind the phone and raise the upper end of the battery from the slot. Follow step 4 of "Inserting the Battery" on page 14 to close the cover.

Charging the Battery

The battery delivered with your mobile phone is not fully charged. We recommend that you charge your mobile for 5 hours before you use your mobile phone for the first time.

> There is a risk of explosion while charging if the battery has been replaced by an incorrect type.

> If the battery is completely out of charge, it can take several minutes for the charging icon to appear when the charger is connected.

1 Insert Charger

Insert the charger plug into a power outlet

2 Connect to Phone

The charger port is located on the left side of the phone. To access the charger port, lift the cover with the USB sign. Insert the 3.5 mm jack/connector of the charger to the port. You can also use the standard USB cable and adaptor to charge the phone battery. Insert the adaptor to the charger port of the phone. Connect one end of the standard USB cable to the adaptor and the other end of the USB cable to the PC.

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3 Charging Animation/Icon

If the battery is being charged when the phone is switched off,only the battery icon is displayed. If the battery is being charged while the phone is switched on, the bars in the battery charge icon on the home screen shows animation indicating that the battery is being charged. After the phone is fully charged the battery bars on the display stop scrolling. You can disconnect the charger from the phone.

Set Battery Alert

When you set the battery alert, every time the battery charge is low you hear an alarm. To set the battery alert select **Menu > Settings > Profiles >** *any profile* **> Options > Customize > Extra tone > Warning**. Select to activate the alert.

Your SIM Card

Purchase a SIM card from a mobile operator. The SIM card associates your network services (for example, phone number, data services, and so on) with your phone.

Inserting the SIM Card

1 **Switch Off Phone**

Ensure that the phone is switched off.

2 **Lift Cover**

Lift the battery cover and remove the battery. For instructions refer "Inserting the Battery" on page 14.

3 **Place SIM Card**

Place the SIM card by pushing it upward in the designated slot located under the battery.

4 **Lock Cover**

Reinsert the battery and the cover. Turn the battery cover screws clockwise to lock the battery cover.

Removing the SIM Card

1 **Switch Off Phone**

Ensure the phone is switched off.

2 **Lift Cover**

Lift the battery cover and remove the battery. For instructions refer "Inserting the Battery" on page 14.

3 **Remove SIM Card**

Remove the SIM card by pushing it downward from the slot.

4 **Lock Cover**

Reinsert the battery and the cover.

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Parts of the Sonim **XP1520** Phone

The Sonim XP1520 keypad has 11 function keys
and 12 alphanumeric keys. The left side of
the phone has one key and the right side
of the phone has three keys.

Speaker

Headset port

Charger/USB port

Display screen

Function keys

Alphanumeric keys

Microphone

Parts of the Sonim **XP1520** Phone

Torch

Camera

Loud speaker

Battery cover screws

Battery cover

Volume keys

Camera (short press)
Torch (long press)

Headset port

Charger/USB port

Push-to-talk

Sonim **XP1520** Keypad

The following figure represents different keys in the phone key pad.

Menu key

Navigation arrow keys (Up/Down/Left/Right)

Left Selection Key (LSK)

Right Selection Key (RSK)

Clear Key

Back Key

Call/Accept/Send

Power On/Off/End call

Press and hold to lock the keypad

Press and hold to turn on/off meeting mode

Press and hold to display + (before dialing an international number)

Some features are enabled only if the SIM card is present.

Switching On

Press and Hold the **Power ON/OFF** key for 2 seconds to Power ON the phone.

When the phone is switched on, it tries to register with the network. After successful registration, the name of the service provider is displayed.

Home Screen

Details such as the name of the service provider, date and time, battery charge status, and data service connectivity are displayed when the phone is in standby mode. Other optional indicators alarm and call forward will be displayed, if the feature is activated.

1.   **Display icons**
2.   **Battery charge indicator**
3.   **Service provider**
4.   **RSK command**
5.   **LSK command**
6.   **Date and day**
7.   **Time**
8.   **Signal strength indicator**

Key Shortcuts in Home Screen

The following can be accessed from the home screen.

Press	To Access
Menu Key	Main menu
Left Selection Key	Main menu
Right Selection Key	Contacts
Call/Accept/Send Key	All calls list
Up Arrow	Calendar
Down Arrow	Profiles
Left Arrow	Messages
Right Arrow	Browser

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The four functions that are performed using the arrow keys are set as factory defaults, To change these functions, select **Menu > Settings > Phone settings > Dedicated key**. Select the required arrow key and select **OK**.

You cannot use the arrow keys when a notification for example: 1 missed call, is displayed on the home screen.

Basic Settings

Security Settings

To prevent unauthorized use of your phone, you can set a PIN code. The PIN is operator dependent.

1. Select **Menu > Settings > Security settings > PIN protection > On**. Input PIN message pops up. Enter the PIN. Select **OK**. After this is set, every time you power on the phone, you will be requested to enter the PIN. If the PIN code is wrong you cannot access the phone.

2. To change the PIN code select **Menu > Settings > Security settings > Change PIN**. You can change codes for PIN and PIN2. Contact your service provider for details.

Phonelock Mode

In the phonelock mode, the phone can be unlocked only by entering a password.

To enter the phonelock password, select **Menu > Settings > Security settings > Phone lock.** Enter the default phone lock password, to lock the phone. Enter the password again to unlock the phone.

The default password for phonelock is **1234**.

If the phone lock is enabled, you will be requested to enter the password, when ever you power on the phone.

Auto Keypad Lock

To lock the keypad, select **Menu > Settings > Phone settings > Auto keypad lock**. You can choose to switch

it off by selecting **None** or enable the feature by setting time.

You can also press and hold the **'*'** to lock the keypad.

To unlock the keypad, press **'LSK'** and then **'*'** key.

Date and Time

To set the Date and Time, select **Menu > Settings > Phone settings > Time and date > Set time/date**.

Silent Mode

In the silent mode, the alerts for Calls, Organizer, SMS, and battery status are disabled. Select **Menu > Settings > Profiles > Silent.**

SIM Lock: Based on you service contract, your phone may be locked to a specific Operator.

Keypad Functions

The following table displays the various keys and the corresponding functions they perform:

Keypad key	Operations
POWER ON/OFF/END CALL	• **Press** to end a call. • **Press** and **hold** to switch on or switch off the mobile phone. • **Press** when in Menu or Edit modes to return to Standby mode. • **Press** to reject an incoming call.
CALL/ACCEPT/SEND	• **Press** to answer an incoming call. • After entering a phone number, **press** to make a call. • **Press** while in Standby mode to access All calls list.
LSK/RSK	These keys are present immediately below the display screen. • **Press** the Left Selection Key (LSK) or Right Selection Key (RSK) to select the function indicated at the bottom of the screen. The indicated functions can vary according to different program definitions. • **Press LSK** to access the Menu in standby mode. • **Press RSK** to access the Contacts in standby mode.
CLEAR (C)	This key is present below the LSK key. • Press this key to delete the text, while editing a message • Long press this key to delete the complete message. • Press this key to delete a selected item in a list.
BACK	This key is present below the RSK key. Press this key to display the previous screen.

Keypad key	Operations
 MENU KEY (CENTRE)	Present at the centre of the navigation keys. • **Press** while in standby mode to enter the main menu. • **Press** when required to be used as a toggle key to select or clear a checkbox. • **Press** to perform similar tasks as the Left Selection Key. • **Press** to select the OK command. • **Press** to view missed call and new message notifications.
 NAVIGATION KEYS	The Left and Right Selection Keys and Power On/Off keys surround this key group. There are arrows on the key that denote the direction to scroll for information displayed on the screen. **UP/DOWN** • **Press** to move the cursor up or down in the text editor. • **Press** to view the pages in the text editor. • **Press** to browse menus/lists at the same level. • **Press** to browse the main menu. • **Press** to access features assigned as shortcuts. **LEFT/RIGHT** • **Press** to navigate between tabs. • **Press** to move the cursor left or right in the text editor. • **Press** to browse the main menu. • **Press** to view the previous or next picture when previewing pictures. • **Press** to access features assigned as shortcuts.
ALPHA-NUMERIC KEYS	• **Press** the required keys to enter the desired phone number and press to make a call. Alternatively, enter the number and select **Options > Call** to dial the number. • **Press** and hold any numeric key to access the shortcut /speed dial number assigned, while in standby mode. • Enter text while in the text editor.

|	
1 ⌣	• **Press** and hold in standby mode to access your Voice mail. • When entering text, press to enter space.
2 ABC	**Press and hold** to set access Tone settings.
3 DEF	**Press and hold** to access the Profiles.
4 GHI	**Press and hold** to set the alarm.
5 JKL	**Press and hold** to access the calendar.
6 MNO	**Press and hold** to access the Bluetooth.
7 PQRS	**Press and hold** to access the Browser.
8 TUV	**Press and hold** to access shortcuts.
9 WXYZ	**Press and hold** to access language list.

📑	The above preset functions of number keys (from 2 to 9) can also be changed to the speed dial functionality. For more information refer, "Managing Speed Dial Numbers" on page 34 .
0 +	• **Press and hold** to display '+' used for dialing an international number, while in standby mode. • On editor screen, press 0 to get "." in T9 or normal mode.
✳ 🔒	• **Press and hold** to lock the keypad. • With backlight on, **press** LSK followed by this key to unlock the keypad. • When entering text, **press** to display special characters, for example, period, comma, and so on. **Press** and hold to display the text input languages.
# ◀ T9	• **Press and hold** in standby mode to switch between Meeting on/off modes. • When entering text, press to switch between lower case, upper case or numeric. • Press and hold to enable/disable T9 mode.

This model is a bar type phone with a single LCD screen. The graphic field of the screen is 240 (w) and 320 (h) pixels. The TFT technology used displays 262K colours.

Main Menu

To access the phone menu, press the **Menu** key. The main menu which comprises the following 11 items appears.

Main Menu Icons
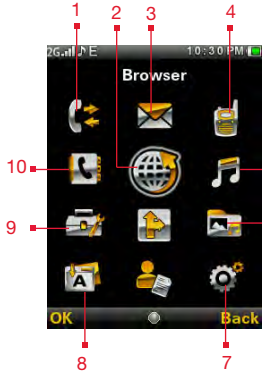
1. **Calls**
2. **Browser**
3. **Messages**
4. **Push-to-talk**
5. **Multimedia**
6. **My Files**
7. **Settings**
8. **Applications**
9. **Tools**
10. **Phonebook**

Home Screen Indicators

The home screen indicators are visible when the phone is in standby mode. Some icons indicate the status of certain functions of the phone, for example, the battery charge indicator, the network status indicator, the date and time etc. Some icons are displayed only if the specific service is activated.
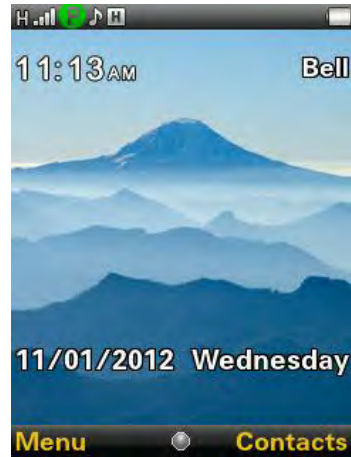
The following table describes the display indicators on the top bar of the home screen in the Sonim XP1520 phone. These icons depend on the selected theme.

For information related to PTT icons, refer

Display Indicators	Name	Description
	Battery	Full green indicator represents maximum battery charge. Green indicator with empty space indicates decline in battery charge.
RM	**Roaming**	This icon is only displayed when your phone is registered with a non home network.
G	**GPRS**	G icon indicates that the phone is attached to 2G network and GPRS feature is available in the phone. Boxed G icon indicates that the phone is in active data connection and GPRS feature is available in the phone.
E	**EDGE**	E icon indicates that the phone is attached to 2G network and EDGE feature is available in the phone. Boxed E icon indicates that the phone is in active data connection and EDGE feature is available in the phone.
3G	**3G**	3G icon indicates that the phone is attached to 3G packet network Boxed 3G icon indicates that the phone is in active data connection in 3G packet network.
H	**HSPA**	H icon indicates that the phone is attached to HSPA packet network Boxed H icon indicates that the phone is in active data connection in HSPA packet network.
	Alarm Clock	Indicates that the alarm clock has been set.
	Stop watch	Indicates that the Stopwatch is running.
	Meeting	Indicates that the phone is on meeting mode.

Display Indicators	Name	Description
	Call Forward	Indicates that the call forward function is enabled.
	Unread Message	Indicates that there are unread messages in the inbox.
	Voice Message	Indicates a new voice message.
	Unread e-mail Message	Indicates a new e-mail message.
	Keypad Lock	Indicates that the keypad is locked.
	Bluetooth Connectivity	Indicates that bluetooth is active.
	Bluetooth CarKit/ Headset Connectivity	Indicates that your device is paired and connected to a carkit or headset with bluetooth connectivity.
	Wired Headset	Indicates that a wired headset is connected.

Display Indicators	Name	Description
	Both Vibration and Ringing	Indicates that the phone performs both vibration and ringing.
	2G	Indicates the signal strength when registered to 2G network.
	HSPA	Indicates the signal strength when registered to HSPA network.
	3G	Indicates the signal strength when registered to 3G network.
	JAVA	Indicates that the Java application is active and is available in the background.

The following table describes the display indicators on the call screen in the Sonim XP1520 phone:

Display Indicators	Name	Description
	Active Call	Indicates an active call.

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Call on Hold	Indicates a call on hold.
Call on Mute	Indicates a call on mute.
Handsfree Call	Indicates a handsfree call.

The following table describes the display indicators on the home screen in the Sonim XP1520 phone:

Display Indicators	Name	Description
	Incoming Call	Indicates an incoming call.
	Outgoing Call	Indicates an outgoing call.
	Missed Call	Indicates a missed call.

Key Operations without Your SIM Card

Menus Accessible

The following menus can be accessed on the phone without the SIM card:

- Settings
  - Phone settings
  - Security settings
  - Connectivity - Bluetooth
- Phonebook
- My files
- Tools
- Applications
- Multimedia

This section provides information on managing calls.

Dial a Number

1. Use the numeric keys to enter the number and press ▬.
2. Alternatively you can enter the desired phone number and select **Options** > **Call**.

Dial an International Number

Press and hold the numeric key 0 till the **+** symbol is displayed. Enter the Country code, Area code (without preceding 0) and the phone number and press ▬ or select **Options> Call**.

Dial a Number via Contacts

1. On the home screen, select **Contacts**. Scroll to the phone number.
2. Press ▬ to dial the number OR select **Options** > **Call** OR press the **call** key. Press ▬ or select **End** to disconnect.

Dial a Number via the Call History

The Call History comprises separate lists for All calls, Missed calls, Dialled calls and Received calls.

1. To access the Call history, press ▬ or select **Menu > Calls > Call history**. All the available call history is displayed.
2. Select a list, scroll to the number and press ▬ to dial the number.

Managing Call History

Contacts within the call history have the following options:

- **View:** You can view the details of the call such as the type of call, name, number, call time, call duration and times of call.

- **Call:** You can call the selected contact.

- **Send message**: You can send an SMS/MMS to the number. Enter the SMS/MMS and select **Options** to view the send options and send it accordingly.

- **Save to Phonebook:** You can save the number in Contacts. This option is displayed only if the number is not saved.

- **Edit before call:** You can edit the number before dialing.

- **Delete**: You can delete the number from the Call history.

- **Delete all**: You can delete all the numbers from the Call history.

Call Timers

- To view the total time spent on the last call, select **Menu > Calls > Call history > Options > Advanced > Call timers > Last call**.

- To view the total time spent on outgoing calls, select **Menu > Calls > Call history > Options > Advanced > Call timers > Dialled calls**.

- To view the total time spent on incoming calls, select **Menu > Calls > Call history > Options > Advanced > Call timers > Received calls**.

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- To reset the time of all calls, select **Menu > Calls > Call history > Options > Advanced > Call timers > Reset all**.

Call Settings

Auto Answer

Auto answer is enabled only if wired headset is connected to the phone. When auto answer is activated, your incoming calls will automatically be answered. Select **Menu > Calls > Call settings > Earphone auto answer > On**.

Any key Answer

When enabled, you can press any key except ![icon] to answer a call.

To activate this feature, select **Menu** > **Calls** > **Call settings** > **Any key answer** > **On**.

![note icon] Long pressing (press and hold) the Power on/off key ![icon] during a call will only end the call and not switch off the phone.

Call Waiting

When call waiting is enabled and the phone is in conversation, the incoming number is displayed when you receive a call.

1. To enable this feature, select **Menu > Calls > Call settings > Call waiting > Activate**.
2. To cancel this feature, select **Menu > Calls > Call settings > Call waiting > Deactivate**. You will not be prompted when you receive an incoming call

while your phone is busy. The caller will receive a busy signal.

3. To verify the call waiting status, select **Menu > Calls > Call settings > Call waiting > Query Status.**

Caller ID

When you make a call, you can select whether or not to display your id to the receiver.

- Select **Menu > calls > Call settings > Caller ID > Set by network**, to allow the network operator to define the Caller ID settings.

- Select **Menu > Calls > Call settings > Caller ID > Hide ID**, to hide your id from the receiver.

- Select **Menu > Calls > Call settings > Caller ID > Send ID**, to display the ID to the receiver**.**

Call Forwarding

You can forward your incoming calls to a number in the Contacts or a new number, provided your network operator supports this service. To access call forward settings, select **Menu > Calls > Call settings > Call Forward**. The Call forward options are mentioned below:

Options	Function
Forward all voice calls	Forward all incoming calls to a pre-designated number. When All calls forward is enabled, the icon ![icon] is displayed at the top of the screen when the phone is in standby mode.
Forward if unreachable	Forward calls when your phone is switched off or is out of coverage area.

Forward if no answer	Forward calls when you do not answer incoming calls.
Forward if busy	Forward calls when your phone is busy.
Forward all data calls	Forward all data calls when your phone is in roaming.
Cancel all forwards	Deactivates the call forward option.

Advanced Settings

Auto Redial

When auto redial is enabled, your phone will automatically redial within a set interval, if a call does not connect.

1. To enable this feature select **Menu > Calls > Call settings > Advanced settings > Auto redial > On**.

2. If the attempt to call is not successful, you will be prompted with the message **Auto redial?** Select **OK** to redial. Select **Back** to return to home screen.

Call Time Display

You can select **Menu > Calls > Call settings > Advanced settings > Call time display > On** to activate the call time display.

Call Time Reminder

When enabled, you receive a beep/tone as prompt at the set time period during a conversation. Select **Menu > Calls > Call settings > Advance settings > Call time reminder > On**. Select **OK** and set the reminder time.

You can set the reminder time between 30 to 60 seconds.

Receive a Call

1. To receive a call, press the **Accept** key OR press **Left Selection** key. Select **Accept**.

2. To reject a call press the **Power on/off** key OR press **Right Selection** key. Select **Reject**.

3. To receive another call while you are already speaking, enable the call waiting feature for calls. Select **Menu > Calls > Call settings > Call waiting > Activate**.

Record a Call

1. While on call, select **Options > Sound recorder**.

2. Select **Stop** to stop the recording. Save the record.

3. The recorded file is saved in the location **My files > Phone (or Memory card) > Audio**.

Depending on the settings, the storage location can be phone or memory card.

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This section provides information on the various settings for the phone. To access, select **Menu > Settings > Phone settings.**

Time and Date Settings

You can set and display the date and time on the phone. You can also select the display format.

- **Set home city**: To set the home city, select **Phone settings > Time and date > Set home city.**

- **Set time/date:** To set the date and time, select **Phone settings > Time and date > Set time/date**.

- **Set format:** To set date and time format, select **Phone settings > Time and date > Set format.**

  - The date formats supported are DD MM YYYY , MM DD YYYY, YYYY MM DD with the different date separators.

  - The time formats supported are 24 hr. and 12 hr.

- **Update with time zone:** To update the time automatically, when the time zone (home city) is changed, select **Phone settings > Time and date > Update with time zone >** select **On.**

- **Auto Update time**: To synchronize the time and date with the network details, select **Phone settings > Time and date > Auto update time > On.** This feature requires network support.

Schedule Power On/Off Settings

To enable this feature, select **Phone settings > Schedule Power on/off >** Select the time **> Status > Enable** and **Power on/of**. Select the time after which the phone should be automatically switched on. Select **OK**. Select

Disable to disable this feature.

Language Settings

You can change the phone's interaction language by selecting your preferred language.

- To set the language based on the SIM card, select **Phone settings > Language > Automatic**.

- To set the language to English, select **Phone settings > Language > English**.

- To set the language to French, select **Phone settings > Language > French**.

All the menu items, user feedback messages and text entry language are displayed in the language set based on the SIM card.

Display Settings

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You can activate and modify the display settings. Select **Phone settings > Display**.

1. **Wallpaper**: Allows you to set the background screen display using the embedded pictures available in your phone or from your own pictures that you have downloaded on to your phone or memory card. The selected wallpaper is displayed on the home screen.

2. **Screensaver**: Select this to make the screen saver appear on the home screen. User can select the screensaver image.

3. **Show date and time:** Select this to display date and time on the home screen.

4. **Themes:** Allows you to set the color theme and icons for the main menu and other screens. There

are two themes available. Select **Theme 1** or **Theme 2**. Select Options to activate the selected theme, update the theme automatically after set time period, and set the theme display order.

Customizing Dedicated Keys

Dedicated keys are the navigation keys set to access specific functions. To assign specific function to the keys, select **Menu > Settings > Phone settings > Dedicated key >** Select a **key > press center key >** select the new function **>** select **OK.** You can also change the specific function previously assigned to the key.

> When pre-defined functions are activated, speed dial numbers will be disabled.

Managing Speed Dial Numbers

This option enables you to dial a number quickly via a shortcut.

1. Select **Menu > Settings > Phone settings > Dedicated key > Speed dial**. Select **Status > On**. The shortcut is set.

2. To add a new contact, select **Set numbers**. Select the number key (from 2 to 9) to which you want to assign the speed dial. Select the contact from the phonebook and save. The Speed dial is set.

3. To make a call, press and hold the shortcut designated number key for Speed dial while on home screen.

> When speed dial is activated, pre-defined functions set using **Dedicated keys** will be disabled.

Power Saving Settings

You can set the backlight level and duration. Select **Menu > Settings > Phone settings > Power saving > LCD backlight.** Select the brightness level for the backlight of the screen. The screen display is active for the period chosen by you. The screen display active time can be selected between 5-60 sec.

Auto Keypad Lock

To lock the keypad automatically, when the phone is in idle state, select **Menu > Settings > Phone settings > Auto keypad lock**. Select the time after which the keypad will be automatically locked. Select **None** to disable this feature.

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Connecting to Hearing Aid

To enable coupling with a hearing aid device operating in telecoil/microphone mode, select **Menu > Settings > Phone settings > Hearing aid > On**. Once HAC is enabled, the **HAC** symbol is displayed in the indicator bar. Select **Off** to disable this feature.

HAC Rating

The FCC has created a rating system for cellular phones regarding their HAC-related performance. This rating helps consumers with hearing disabilities to find phones that will work well with their hearing aid devices. The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI)

C63.19:2007.

ANSI C63.19 contains two rating standards: an "M" rating from 1 to 4 for hearing aids operating in microphone mode, and a "T" rating from 1 to 4 for hearing aids operating in telecoil mode.

M-Rating stands for Microphone rating and indicates the amount of reduction of RF interference between the telephone and the hearing aid in acoustic coupling mode (also called microphone mode).

Phones rated M3 or M4 meet FCC requirements and generate less interference to hearing devices set in microphone mode.T-Rating stands for Telecoil rating and represents inductive coupling with hearing aids that are operating in telecoil mode. A telecoil is a small piece of tightly wrapped wire, built into some hearing aids. While the microphone of a hearing aid picks up all sounds, the telecoil will only pick up an electromagnetic signal from the telephone. Thus, users of telecoil-equipped hearing aids are able to communicate over the telephone without the amplification of unwanted background noise.

Phones rated T3 or T4 meet FCC requirements and generate less interference to hearing devices set in telecoil mode.

A combination of M-rating and T-rating defines the final HAC rating and is a deciding factor in selecting cellular phones for people with hearing problems. A HAC compliant phone could be rated:

- M3/T3
- M3/T4
- M4/T3
- M4/T4

These ratings assist hearing device users to find phones that are compatible with their hearing devices. Ratings are shown on the phone's box or label. The ratings are not guaranteed for suitability. The results vary depending on the individual's hearing loss and the immunity characteristics of the used hearing device, i.e. its resistance to interference. The best way to evaluate the suitability of the phone is to try it with the intended hearing aid device.

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids. It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or the manufacturer.

Sonim XP1520-A-R1 has been tested for hearing aid device compatibility and complies with the Federal Communications Commission (FCC) requirements. Sonim XP1520-A-R1 is rated M3/T4.

HAC Settings

To enable coupling with a hearing aid device operating in telecoil mode, select **Menu > Settings > Phone Settings > Hearing Aid > On**. Once HAC is enabled, the **HAC** symbol is displayed on the Home screen. Select **Off** to disable this feature.

Menu > Settings > Phone Settings > Hearing Aid > Off is also the setting providing acoustics coupling with hearing aid device operating in microphone mode.

> While using the mobile phone for voice calls with hearing aid, slightly adjust the position of the phone against the ear to reduce the interference and to give better voice quality.

Network Selection

To modify the network access settings, select **Menu > Settings > Network settings**. The following network settings are displayed:
You can select your network, specify the network account, and indicate whether GPRS is required at all times.

- **New search:** Search the network for the phone to connect when you are selecting the network manually.

- **Select Network**: Select the network automatically or you can do it manually.

- **Selection Mode**: Select **Automatic** to set the phone to automatically select a cellular network available in your area, or select **Manual** to set the network manually. If manual mode is set, the user has to invoke **Select Network** to do network selection.

Data Connection

To set registration preferences for accessing data connection, select one of the following options:

- **Always** - Register with the data connection, continuously.

- **When needed** - Register only when data transfer is required.

Data Account

You can set the network account and view the data connection information.

You can add, view, edit and delete the accounts. You can edit the following information in the accounts: Account name, APN, User name, Password, authentication type, home page, proxy settings, Primary DNS, and Secondary DNS. Make the changes and select **OK**. Then **Add new packet data account**' will pop up, select **Yes**. Refer "WAP Browser" on page 63 for further information.

Service Selection

You can view and set the required type of network.

- **GSM**: Register to GSM network only.

- **WCDMA**: Register to 3G network only. If 3G network is not available, the phone proceeds to no signal condition, even if GSM coverage is present.

- **Automatic:** This is a recommended option. Select this to register to 3G network, if available. If the 3G network is not available, the phone registers to the GSM network. Once the phone is registered to 3G network, '3G' icon is displayed on the home screen of the phone.

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To prevent unauthorized use of your phone, you can set the PIN protection and keypad lock.

PIN Protection

To enable PIN protection, select **Menu > Settings > Security settings > PIN protection > On**. Enter the password.

Change PIN

To change the PIN protection password, select **Change PIN**.

Change PIN2

To change any security related password, select **Change PIN2** and change the particular password.

Phone Lock Password

The default password for phonelock is 1234. To change the phonelock password, **Menu > Settings > Security settings > Change phone lock password**. Enter the password.

Safeguard

You can set a password and prevent unauthorized usage of keypad, messages, phonebook, call history and My files of your phone. To use this application, do the following:

1. Select **Menu > Settings > Security Settings > Safeguard > Safeguard > On**.

2. Enter the input password. The default password is 1234.

3. Select **Activation** and enter the password. Select the required menu that needs to be password protected.

4. Select **Done** and then save. The selected menu is password protected.

Certificate Manager

You can view, edit key usages, and delete authorized certificates and user certificates.

Restore Factory Settings

Select to reset the settings to the original factory settings. Please note that this can remove changes you have made to your settings.

You can access Bluetooth and data accounts.

Bluetooth

Bluetooth is a wireless connection that enables to connect devices within short range, to exchange information.

The Sonim XP1520 is compliant with Bluetooth specification BT 3.0 supporting the following profiles: SPP, SAP, HFP, HSP, A2DP, AVRCP, DUN, PBAP, OPP, and FTP. This device can send images and audio files using Bluetooth connection.

There may be restrictions on using Bluetooth technology in some locations. Check with your local authorities or service providers.

Activate Bluetooth

Select **Menu > Settings > Connectivity > Bluetooth > Power > On**. Use the **Menu** key to toggle between on and off. When Bluetooth is activated, the Bluetooth icon is displayed on the home screen.

Deactivate Bluetooth

Select **Menu > Settings > Connectivity > Bluetooth > Power > Off**. Use the **Menu** key to toggle between on and off.

Pairing Devices

1. Select **Menu > Settings > Connectivity > Bluetooth > Search new device**.

2. Select the device of your choice. Select **Pair**.

3. Enter the passcode (for example, **0000**) in the Enter

passcode screen. The same passcode must be entered for the other device also.

4. Select **OK**.

5. When the other device accepts your request the message **Pairing Done** is displayed on the screen.

6. When the other device rejects your request the message **Pairing Failed** is displayed on the screen.

Prior to pairing the devices, ensure that the visibility settings for the pairing devices are activated. To activate the visibility settings, select **Menu > Settings > Connectivity > Bluetooth > Settings > Visibility > On**.

Do not pair with an unknown device for security reasons.

Connecting a Bluetooth Headset

You can connect a bluetooth headset after pairing it with your phone.

1. Select **Menu > Settings > Connectivity > Bluetooth > My device**.

2. Select the paired Bluetooth headset.

3. Select **Options > Connect**.

For more details, refer the user manual of the Bluetooth headset.

Rename Paired Device

1. Select **Menu > Settings > Connectivity > Bluetooth > My device**.
2. Select the paired device.
3. Select **Options > Rename**.
4. Enter the new name.
5. Select **OK**.

Delete Paired Device

1. Select **Menu > Settings > Connectivity > Bluetooth > My device**.
2. Select the paired device.
3. Select **Options > Delete**.

> If you cancel the pairing with a device that is connected, pairing is removed and the connection is switched off immediately.

Bluetooth Settings

1. Select **Menu > Settings > Connectivity > Bluetooth > Settings**.
2. Edit the following details.

Options	Description
Visibility	Select **On** to show your presence to other devices. Select **Off** to hide your presence from other devices.

My name	Select this option to change the name of your device.
Storage	Select the storage location.
Remote SIM Mode	Select this option to access the SIM card inserted in your phone using Bluetooth car kit.
Sharing Permissions	Select this option to provide full control or read-only permission to the other device connected to your device.

About

You can view the device name, address and other support services.

Sending Data via Bluetooth

You can transfer files to another compatible device.

1. Select **Menu > My files**.
2. To send an image file, select **Images >** select the file OR To send an audio file, select **Audio >** select the file OR To send any other file, select **Others >** select the file.
3. Select **Options > Send > via Bluetooth**.
4. Select the paired device to which you want to send the file.

My devices screen displays the paired devices. To send a data to an unpaired device, select **Search new device.** Select the unpaired device of your choice. Enter the passcode when you are asked to enter.

5. When the other device accepts your file, the message **Done** is displayed on the screen.

6. When the other device rejects the file, the message **Unfinished** is displayed on the screen.

Receiving Data via Bluetooth

To receive data using Bluetooth, your device should be Bluetooth activated and must be visible to other devices.

1. When you receive a data, you are asked if you want to accept it.

2. Select **Accept** to receive data OR select **Reject** to refuse the data.

3. If you accept, the data will be stored in **My files > Images** or **Audio** or **Others**.

Data Account

You can set the Network account and view the data connection information.

To set the data account, select **Menu > Settings > Connectivity > Data account** and create a new data account.

You can create, edit and delete the accounts. You can edit the following information in the accounts: Account name, APN, User name, Password and Authority type, Primary DNS and Secondary DNS. Make the changes and select **OK**. Then **Add new packet data account** will

pop up, select **Yes**.

USB Function

Phone can be connected to PC as a Mass storage using USB cable. When the phone is connected to the computer via a USB cable, the following two options are displayed:

• **Mass storage**: Select this to use the USB cable as mass storage device to transfer and synchronize data between the Sonim XP1520 phone and your computer**.**

• **COM port:** Select this to use the phone with PC-Sync software.

> When the phone is connected to the computer via USB cable, you can select only to charge the phone by pressing the **Back** button. You need not select the Mass storage or COM port option.

> When the phone is connected to the computer via USB cable and the memory Card is also present in the phone, the memory card and the phone memory are displayed as two separate drives in the computer.

> When the phone is connected to the computer as mass storage, you cannot access the My files menu in the phone. To access the My files menu, disconnect the phone from the computer and reconnect in COM port mode.