

KBM-XP67

XPAND 1D LASER BARCODE SCANNER

USER GUIDE

SONIM XP6 & XP7

English



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- US patents numbers 7769917, 7954710, 8126399, 8295368, 8346979, 8347366, 8371506, 8483614, 8832323;
- Korea patents numbers 10-1383407, 10-1354252;
- UK patent numbers GB2492615, GB2514746;
- Korea publication 1020120128598:

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Keep out of reach of children. Do not allow children to play with mobile phones or accessories as there is potential to harm themselves and/or others. Mobile phones and accessories may contain small parts which are a potential choking hazard. Improper use of mobile phones and accessories may lead to the damage.

Personal Medical Devices

Mobile phone and related accessory may affect the operation of cardiac pacemakers and other implanted medical equipment. 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 to 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 airplanes. Equipment used in these places may be sensitive to radio waves emitted from the device and adversely affect their operation. Take precaution when using the mobile phone in restricted areas, such as gas stations and/or other areas containing flammable atmospheres or in close proximity to electro-explosive device.

Disposal of Old Electrical Equipment



The symbol of the crossed-out wheeled bin indicates that this product, and any enhancements marked with this symbol, cannot be disposed as unsorted waste and must be taken to a separate collection at their end-of-life.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO ANY TYPE OF MOISTURE. DO NOT LOOK DIRECTLY INTO LASER OR POINT THE LASER INTO ANOTHER PERSON'S EYES. EXPOSURE TO THE BEAM MAY CAUSE EYE DAMAGE.

CAUTION



Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

The following items are included in the box:

- KOAMTAC KBM-XP67 1D Laser Barcode Scanner
- Assembly for BarBridge for XP6 (BarBridge for XP6 + Screws 2ea)
- Assembly for BarBridge for XP7 (BarBridge for XP7 + Screws 2ea)
- User Guide
- Quick Manual

KBM-XP67 Barcode Scanner Components

Front View







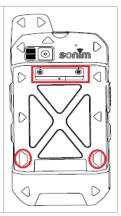
* XPand Interface Connector is covered with a cap. Remove the cap prior to installing the KBM-XP67 to the phone.

Follow the instructions for installing the **KBM-XP67 Barcode Scanner** on the compatible XP6 or XP7 phone.

 Unscrew the top two screws with the multi-tool screwdriver provided in the box with your Sonim XP6 or XP7 mobile phone (sold separately).

Remove the black insert plate.

Remove the two rubber covers on the back of the phone.



 Using the multi-tool screwdriver, attach the KBM-XP67 Barcode Scanner to the back of phone with Screws A.



 Using the multi-tool screwdriver, attach the bridge for the XP6 or XP7 to the back of the phone with Screws B.



The BarBridge for the XP7 is wider than the BarBridge for the XP6.



Ensure to install the KBM-XP67 securely for waterproofing.



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XPand Barcode Scanner Application

Sonim XPand® Barcode Scanner Application is compatible with KOAMTAC KBM-XP67 Barcode Scanner, which connects both hardware and software to Sonim's XPand interface on the XP6 and XP7 phones.

Downloading

 Go to Google Play Store® and download Sonim XPand Barcode Scanner Application on XP7 phone.

Short link to download from Play Store: https://play.google.com/store/apps/details?id=com.sonim.xpandscanner

 XPand Barcode Scanner Application icon () is displayed in application list on the phone.

About the User Guide

This user guide provides instructions and screenshots for the KBM-XP67 Barcode Scanner when used with the XP7 phone. Most instructions apply to KBM-XP67 Barcode Scanner when used with the XP6 phone, as well, except the path the access the Settings or Options menu on the XP6 is different from the XP7. To access the Settings Option on the XP6, select Options (RSK) on the XPand Barcode Scanner Application main screen.

Initiating the Scan

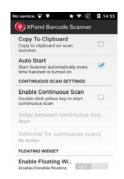
From the application menu on the phone, select XPand Scanner icon () and the application start screen will appear:



- While scanning, point the scanner laser light directly at the intended barcode to be read.
- The vellow button (short press) may also initiate a scan.
- Double press yellow key to initiate continuous scanning.
- After a barcode is scanned, the barcode data is captured in the phone text field, in text format.

Changing Continuous Scan Options

To access **Settings**, select **Options** () on the **XPand Barcode Scanner Application** main screen. Select Settings > Continuous Scan Settings.

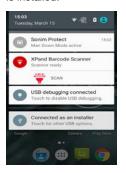


- Enable Continuous Scan: When this option is checked, double press the yellow button to initiate continuous scan mode.
- Delay between Continuous Scans: This is the time delay between each scan in Continuous Scan mode. Select from the following delay options: Short, Medium, Long, Extra Long, or Continuous.
- Delimiter for Continuous Scans: After a barcode is scanned in Continuous Scan mode, the barcode will be separated by a delimiter. Select from the following delimiter options: No Action (none), Semicolon, Comma, Space, or New Line.

When the **Sonim Protect** application is installed on a device, the yellow key will not initiate a barcode scan. Instead there will be a floating widget to initiate the scan.

The **floating widget** () is displayed on the screen as shown below.

Scanning may also be initiated through **Scan** button present in the notification bar when **Sonim Protect** is installed.





Notification Bar

On the notification bar, the **Sonim Protect** icon (1) and the **XPand Barcode Scanner** icon (1) are displayed.



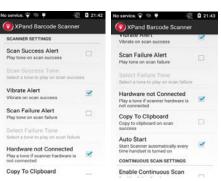
Sonim Protect icon

XPand Barcode
 Scanner icon

Customizing XPand Barcode Scanner

To access Settings, select Options () on the XPand Barcode Scanner Application main screen. Select Settings > Scanner Settings.





Managing Default Alert Tone Settings

- Changing Default Alert Tone (Success): When this
 option is checked, a notification tone will play after a
 successful scan.
- Changing Default Alert Tone (Unsuccessful):
 When this option is checked, a notification tone will
 play after an unsuccessful scan.

Managing Default Vibration Alert Settings

- Changing Default Vibrate Alert (Success): When this option is checked, the phone will vibrate after a successful scan.
- Changing Default Vibrate Alert (Unsuccessful): Select the notification tone played for an unsuccessful scan. Select the tone and press OK.

KBM-XP67 Barcode Scanner Disconnection

If a scan is initiated while the **KBM-XP67** Barcode Scanner is not connected to the phone, a unsuccessful scan alert tone will be play.

Copy to Clipboard

When this option is checked, all successful scan data is copied to the clipboard.

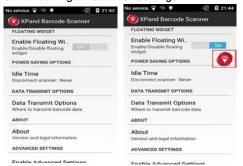
Auto Start

When this option is checked, the application will automatically start when the device is turned **ON**.

The **Floating widget** will appear at the top of the phone screen. It acts as an alternative **yellow key**, initiating a single or continuous scan.

 To access Settings, select Options () on the XPand Barcode Scanner Application main screen.

Select Settings > Scanner Settings.



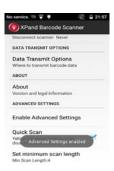
 Enable Floating Widget: When set to ON, the widget is displayed on the phone screen. The Floating Widget is an alternative to the phone yellow button.

Advanced Settings

To access Advanced Settings, select Options () on the XPand Barcode Scanner Application main screen. Select Settings > Advanced Settings.



Press yellow key downwards to initiate the scanning process. The **Quck Scan** is checked and the **Advanced Settings** is enabled. During this time, camera key is disabled.

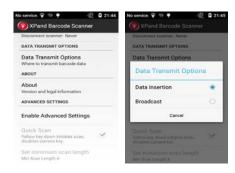


By default, the minimum scan length is set to 4.



Data Transmission

To access Settings, select Options (☐) on the XPand Barcode Scanner Application main screen. Select Settings > Data Transmit Options.



The following 2 options are provided in the **Settings**:

- Data Insertion: When this option is selected, scanned barcode data is displayed on the screen.
- Broadcast: When this option is selected, the scanned barcode data is transmitted as a message. This option works with specific applications only.



Broadcast option works with registered applications only.

Power Management

 To access Settings, select Options () on the KBM-XP67 Barcode Scanner Application main screen.

Select Settings > Scanner Settings.





Idle Time: When an Idle Time is selected, the XPand Barcode Scanner will shutdown when unused for the amount of Idle Time selected. The Idle Time options are: Never, 5, 10, 30, and 60 minutes.



KBM-XP67 Barcode Scanner impacts the phone standby time.

KOAMTAC Contact Information

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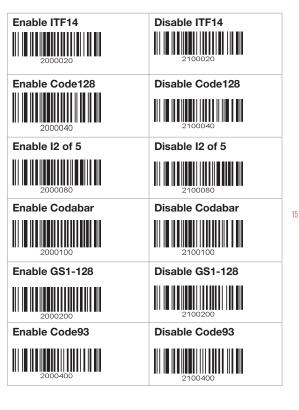
Email: support@sonimtech.com

For more information, visit www.sonimtech.com

You can configure KBM-XP67 by scanning the special barcodes listed below under the respective categories.

Set Symbologies

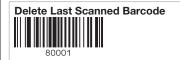
Enable EAN13	Disable EAN13 2100001
Enable EAN8	Disable EAN8
Enable UPCA	Disable UPCA
Enable UPCE	Disable UPCE
Enable Code39 2000010	Disable Code39 2100010



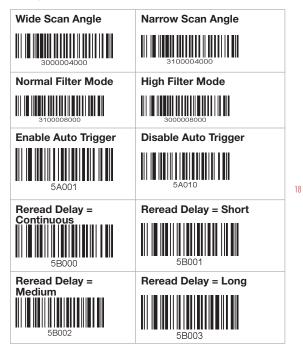


Return check digit for Do NOT return check digit **UPCA** for UPCA Return check digit for Do NOT return check digit EAN8 for EAN8 Return check digit for Do NOT return check digit for EAN13 EAN13

Delete Last Scanned Barcode



Scan Options



Reread Delay = Extra Long

Scan Timeout

Scan Timeout = 500msec



Scan Timeout = 1sec



Scan Timeout = 2sec



Scan Timeout = 3sec

Scan Timeout = 4sec



Scan Timeout = 5sec



Scan Timeout = 6sec



Scan Timeout = 7sec



Scan Timeout = 8sec









Minimum Barcode Length

Minimum Length = 2



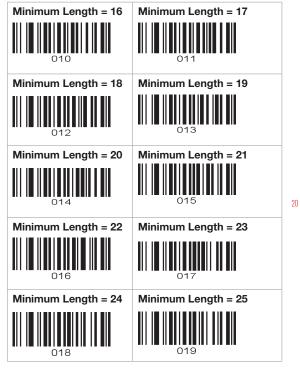


Minimum Length = 4



Minimum Length = 5











Security Level



Data Process - Wedge/Store & Enter Key





Store Only



Data Process - Data Edit

Start Prefix Enter

Finish Prefix/Suffix

Enter

Delete Prefix



AIM ID None



Start Suffix Enter



Cancel Prefix/Suffix Enter



Delete Suffix



AIM ID In Prefix



AIM ID In Suffix



Data Process - Data Format & Handshake

Data format = Barcode only



Data format = Packet data



Data Process - Termination Character & Duplicate Check

Termination Character = None







Termination Character = CR

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Termination Character = CR+LF



Termination Character = Tab Enable Duplicate Check **Disable Duplicate Check**





System



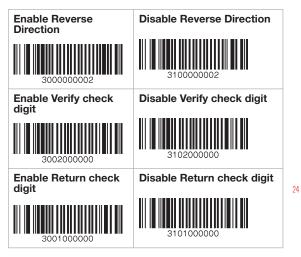






Sleep Timeout = Sleep Timeout = 20sec 10sec Sleep Timeout = 1min Sleep Timeout = 30sec Sleep Timeout = 2min Sleep Timeout = 5min Sleep Timeout = 10min

ETC



Function



F3 F4 F5 F6 F7 F8 F9 F10 F11 F12

Numbers

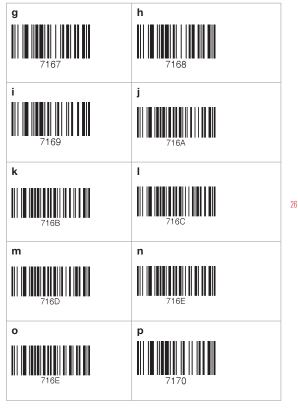


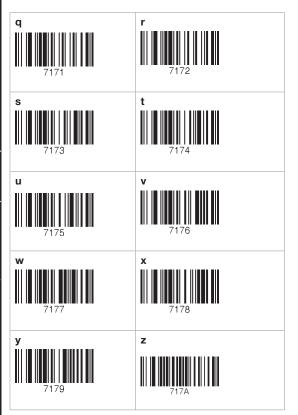




Lower Case Alphabets

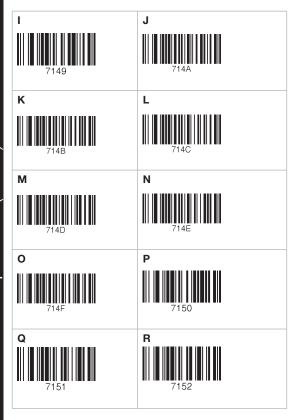


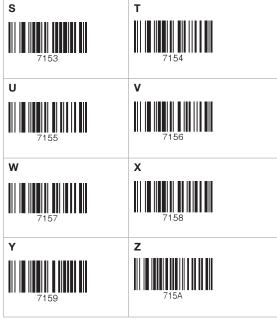




Upper Case Alphabets

7141	7142
C	7144
7145	7146
G 7147	H





TAB

LF

VT



CR



ESC



Space



DEL



Shift + Tab

Symbol Character







%











Barcode String Construction Guidelines

- You can compose a string of maximum 16 characters.
- The string should be composed by scanning the Start-String", number/alphabet/special characters, and "Stop-String" special barcodes.

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The **KBM-XP67** will abort string composition if the user do not scan "Stop-String" in one minute after scanning Start-String and number/alphabet/special characters.