


# REVIEWERS GUIDE

**NOKIA**  
LUMIA 928



 Windows Phone



**THE NOKIA LUMIA 928  
TAKES AMAZING PHOTOS  
AND VIDEO, EVEN  
IN LOW LIGHT.**

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Introducing our next flagship device exclusive to Verizon Wireless, the **Nokia Lumia 928** — with advanced technology that can capture, edit and share epic moments better than ever before.

- Take amazing, blur-free photos and videos even in low light.
- Record distortion-free sound even in loud environments.
- Get incredible clarity from one of the loudest smartphone speakers available.
- Relive each moment on an innovative, responsive PureMotion HD+ display.

For each feature above and many more inside, this guide includes several demonstration ideas to make the most of your **Lumia 928** experience.

**NOKIA**  
**LUMIA 928**

# BETTER IMAGING

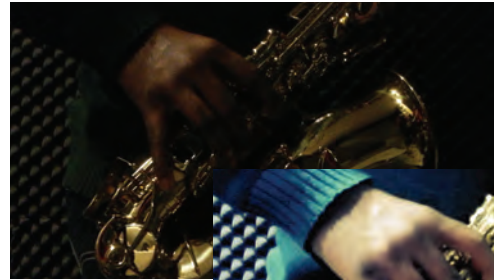
Life happens when you least expect it. With the **Nokia Lumia 928**, you're prepared to capture those unforgettable moments in amazing quality, no matter where or when they happen. Never miss a chance to capture the moment, enhance it and share it with friends and family.

## AMAZING PHOTOS, ESPECIALLY AT NIGHT

Capture amazing, blur-free photos and videos even in low light. With an 8.7 MP PureView camera with Carl Zeiss® wide-angle optics and Optical Image Stabilization, the **Lumia 928** lets in more light than other smartphone cameras, ensuring your photos are clear, crisp and bright, even in low-light conditions. For those moments when you truly need a flash, the **Lumia 928** also comes with a Xenon flash, the most powerful flash in smartphones.

## HIGH-QUALITY AUDIO AND VIDEO

The **Lumia 928** records stunning videos at up to 1080p HD resolution, and OIS reduces the shakiness, making the video much more pleasant to watch. The digital high performance microphone also lets you record distortion-free sound, even in loud places like stadiums and concerts.



◀ Leading competitor



▶  
Nokia  
Lumia 928

\* Light and flash power claims are based on flash brightness and flash duration as measured against current leading U.S. smartphones.

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## IMAGE STABILIZATION DEMO

1. Press the **Camera Key** to activate the Lumia 928 camera.
2. Tap the Video icon to switch to video mode.
3. Hold the Lumia 928 with one hand and arm extended over your head (similar to a concert).
4. Press the **Camera Key** to start recording.
5. Press the **Camera Key** again to stop recording.
6. Play back the video and compare it to a video taken with a competitive phone to see the stability that the Lumia 928 offers.

## NOKIA LUMIA 928 DIFFERENTIATOR

Optical Image Stabilization (OIS), integrated into the 928, uses a floating lens that compensates for and reduces movement in both videos and photos. The floating lens makes your photos look incredibly clear, especially when compared to low-light photos captured on competitor's devices which use Digital Image Stabilization (DIS), that doesn't perform as well in low light.

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## NOKIA INTEGRATED LENSES

Nokia Lenses make it easy to get the best shot and let your creativity shine. The lenses are integrated into the camera for a seamless experience, so you don't need to juggle multiple apps when trying to catch that unforgettable moment. You'll find all of these lenses preloaded:



- **Nokia Smart Shoot** lets you take your pictures your way by shooting five frames for each picture. You can then pick the best faces from each frame, and automatically create a great picture or remove any people or objects, ensuring you get the picture you want.




- **Cinemagraph** is a blend of photo and movie-like animation, creating pictures that seem almost alive. Helpful on-screen assistance lets you select the animated area of your picture and easily create a cinemagraph.



- **Panorama** gives you the bigger picture. Simply take your pictures and the app automatically stitches them into a picture-perfect view. When you're done, share your Panorama directly with friends on Facebook and Twitter. If you like Panorama, add Creative Studio to your Nokia Lumia app collection for even more great picture editing features.

### TIP

Many lenses are available from other developers, too! Just press  while in the camera, and then tap **Find More Lenses** to see what lenses are available for download. For example, Microsoft offers the Blink lens, which captures a burst of photos before you even press the shutter and continues shooting after you taken your shot, and lets you pick the best one. The Photosynth lens from Microsoft lets you take 360-degree panoramas and share them as an interactive experience.





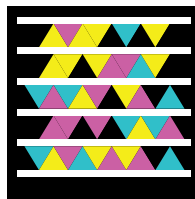
## CINEMAGRAPH DEMO

Create a Cinemagraph, a blend of photo and animation, for pictures that seem almost alive.

1. Press the **Camera Key**.
2. Press **Ⓢ**.
3. Tap **Cinemagraph**.
4. Take a photo of something that is moving, like of someone tapping a finger or picking up a phone.
5. The lens will automatically highlight the animated area.
6. Tap **✓** to see a preview of the animation.
7. You can adjust the animation by tapping the **paint brush** icon and rubbing on the areas you want to add and subtract from the animation, or adjust the start and end points of the animation.
8. Tap **Ⓜ**. The photo saves to the **Camera Roll**.
9. Tap the **...** and then **Share** to share the Cinemagraph via social media, email or text message.



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Scan the tag to  
see examples of  
Cinemagraph.



## SHARE THE MOMENT

Effortlessly back up and share the moment.

- Automatic upload of pictures and videos to free<sup>1</sup> SkyDrive storage – share across multiple devices (Windows 8 PCs, Tablets and Xbox 360).<sup>2</sup>
- Share photos via social networks.
- Share photos via a Room.
- Share photos on any internet connected device with PhotoBeamer.
- Share photos and videos to your TV screen with Xbox SmartGlass.
- Tap + Share via NFC.

### TIP

To auto-upload pictures and videos, go to Settings and then Backup. Tap on Photos and then select if you want auto-upload enabled and what quality level. Best quality photos and all videos require a Wi-Fi connection for auto-upload.

## SHARE DEMO

1. Press the **Camera Key** to activate the camera.
2. Tap the screen to focus and snap a lovely shot.
3. Swipe left to go to **Photos**.
4. Tap (...).
5. Tap **Share...**
6. Select **Facebook**.
7. Add a caption to the photo.
8. Tap the **Tag** icon to tag a face in the photo.
9. Tap the **Share** icon.

### TIP

You can also share photos and videos with other NFC-enabled Windows Phone 8 handsets, Windows 8 computers and Windows RT tablets via Tap + Share.






## PHOTOBEAMER

Share photos through any web browser with this Nokia-exclusive application. It works with tablets, computers, video game consoles and smart TVs. No special software required.

## PHOTOBEAMER DEMO

1. From the Start Screen, tap .
2. Tap **Nokia Collection**.
3. Tap **PhotoBeamer**.
4. Tap **Install**.
5. On a web-enabled device, open the web browser and go to [www.photobeamer.com](http://www.photobeamer.com).
6. Open the **PhotoBeamer** app on the Lumia 928.
7. Select the album or photo you wish to share.
8. Scan the QR Code on the PhotoBeamer website to display the photos through the web browser.
9. Swipe to see other photos in the album.

1. 7 GB of SkyDrive storage available for free, with additional storage available at an additional fee.
2. Auto upload of photos in standard resolution will use large amounts of cellular data and may incur data charges.

# BETTER SOUND

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The sounds of each moment are just as memorable as the sights, so you need to record and replay them with the best clarity possible. From the thumping bass of your favorite band to the delighted laugh of a playing child, Nokia Lumia 928 faithfully captures the sounds of all the irreplaceable moments of your life.

## DISTORTION-FREE AUDIO RECORDING

Digital high-performance microphone lets you record distortion-free sound and video recording, even in loud places like stadiums and concerts. You'll be able to play back the sound just like you first heard it.

- High-audio-amplitude-capture (HAAC) mics capture distortion-free audio recording even at high sound pressure (decibels).
- Smooth frequency response across a wide range lets you record the experience the way you first heard it.

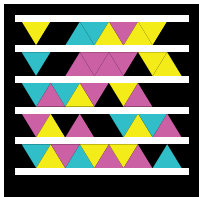
- Distortion-free audio recording up to (140dB). Most smartphones are capable of only 110-120dB before noticeable distortion.
- To put that into perspective, a difference of 3 dB is quite noticeable. A difference of 10 dB, is subjectively "twice as loud."
- Capture the sounds of the moment as they were experienced, virtually nothing will be missed.

## LOUD AND CLEAR SMARTPHONE SPEAKER

Lumia 928 features one of the most advanced loudspeakers available for smartphones, delivering incredibly loud and clear sound. A high-performance loudspeaker and powerful digital amplifier is combined with real-time measurement and control, resulting in unmatched clarity and loudness. If you're listening to music, watching videos or simply need a great speakerphone, you'll get unparalleled audio quality.

## AUDIO RECORDING DEMO

- Using a second phone, start playing music on the PowerUp speaker.
- Press the **Camera Key** to activate the camera.
- Tap the Video icon to switch to video mode.
- Press the **Camera Key** to start recording.
- Hold the Lumia 928 close to the speaker to capture the music playing loudly.
- Press the **Camera Key** again to stop recording.
- Play back both videos and note how the audio recording does not distort, even with the loud music playing through the speaker.
- Repeat with a competitive phone to compare the audio quality.



Scan the tag for a demo of the high quality audio recording.

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## SPEAKER DEMO

1. From the Start Screen, open [Nokia Music](#).
2. Tap on [Mix Radio](#) and select a mix.
3. Turn up the volume with the Volume Keys.
4. Hold the Lumia 928 with the speaker facing upwards.
5. Now place the Lumia 928 flat on a table with the screen facing up, which reflects sound off of the surface of the table.
6. Note how rich the sound is.

## JBL POWERUP

Get pure sound while you recharge your phone with the JBL PowerUp speaker. This speaker offers a perfect match of acoustic engineering from JBL, with a minimalist design that delivers an impressive bass performance. There's no need for wires, with a built-in wireless charging pad, Bluetooth audio and one-tap NFC pairing.

## POWERUP DEMO

1. If the PowerUp is not turned on, press the power button on the back.
2. To pair your phone, unlock your phone and then tap the top back part of the Lumia 928, right above the rear camera, on the NFC pairing tag on the top front of the PowerUp, between the volume up and rewind/skip back keys.
3. A message will pop up on your Lumia 928 asking if you want to pair with the PowerUp.
4. Tap [Pair](#).
5. The Lumia 928 is now paired with the speakers.
6. Start playing music through the JBL speakers using either [Nokia Music](#) or music on the phone.
7. Tap the phone to the NFC tag on the speaker to switch playback back to the phone speaker.
8. Tap the NFC tag again to switch back to the JBL speaker.
9. Lay the Lumia 928 on top of the JBL PowerUp to charge. When you hold the phone over the PowerUp, four markings will light up on the top of the speaker that show optimum phone placement for wireless charging.

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## DOLBY® HEADPHONE

If you prefer to listen to music via headphones, the Nokia Lumia 928 also features Dolby® Headphone audio enhancements, which create a rich sound stage for your music and videos. You can also customize the sound with a seven-band graphic equalizer.

**TIP**

Pressing up or down on the volume keys once will display the name of the current music or audio playing, playback controls for the music and a button to toggle the ringer on and off.



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# BETTER TUNES

Give the moment a sound track. Nokia Music gives you all the music you want, without all of the hassles you don't. Discover a world full of music and make it available anytime, anywhere. From a house party to a romantic walk on the beach, Nokia Music has just the right music for every special moment.

## NOKIA MUSIC

Nokia Music gives you FREE<sup>1</sup>, instant access to millions of tracks of streaming internet radio, right out of the box.

- Play music on your phone without a subscription or any interruptions from advertisements – ever.
- Download up to 12 hours of music to your phone so you can play it when you are offline without a data connection or during a flight.
- Search multiple genres and hundreds of professionally curated channels.
- Choose up to three of your favorite artists and instantly create a playlist with music that has a similar sound.

1. Data charges may apply.




Want more Nokia Music? Subscribe to Nokia Music+ for \$3.99 per month and get unlimited skips, unlimited offline mixes, high-quality audio streams and song lyrics. You can also listen to Nokia Music+ via your web browser at [music.nokia.com](http://music.nokia.com).

## NOKIA MUSIC DEMO

1. From the Start Screen, tap the Nokia Music tile to view the last played mix or track.
2. Swipe to the Welcome Screen and tap **Mix Radio**.
3. Tap a mix to play that mix.
4. Press and hold the mix and select **Make Available Offline** to save the mix to your phone.
5. Swipe to the side to display artist info (bio, gallery, tweets, gigs and more).



When playing a mix with a Nokia Music+ subscription, tap  to display lyrics.

## GIG FINDER

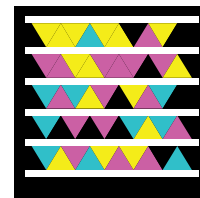
- Gig Finder is your personal guide to the music scene.
- Find gigs near you, buy tickets and locate a venue.
- Share with friends and pin to the Start Screen.
- Search for the artists you love and set alerts so you always make it to a show.

## GIG FINDER DEMO

1. From the Main Screen of Nokia Music, swipe left to the Welcome Screen and tap **Gigs** to see the gigs in your area.
2. Tap a **Gig** to see when and where it is. You can also share the details via your social networks, email or text.
3. Swipe right to purchase tickets from an established seller.
4. Tap the calendar icon to create a calendar entry for the gig.

### TIP

Want to create mixes from your own music collection? Download the Nokia Music Scanner at <http://nokia.ly/scanner-gb> for your Mac or Windows computer. After it scans your music collection, it will upload the results to your Nokia account to create mixes based on your music library.



Scan to see  
Nokia Music.



# BETTER ON-THE-GO

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Sometimes the moment takes you to places that are off the beaten path. With HERE services from Nokia, you can find those places with ease and navigate to them with confidence. Across the world, or simply across town, HERE will take you there.

## HERE CITY LENS

Instantly see all the cool, hidden places around you through your camera's viewfinder.

- See a real-time view of your neighborhood with icons pointing out restaurants, shops and other cool points of interest.
- Get directions from your current location to the front door of your new destination.
- See different augmented reality views depending on how you hold your phone.
- Get a 360° view of nearby points of interest.

## HERE CITY LENS DEMO

1. From the Start Screen, tap [HERE City Lens](#).
2. Tap the category you want to see, such as [Food](#).
3. Hold the phone in landscape mode to see a live view of your area with icons overlaid on points of interest.
4. Pan the area to see more choices. If you see a + sign, tap it to reveal more places.
5. Tap the name of a place and at the top of the screen you'll see an information bar for the location.
6. On the info bar, tap [Directions](#) to view directions from your current location. You can also [Add to Favorites](#), [Share](#) or tap [More](#) to see photos or read reviews of the location.
7. If you hold the phone in portrait mode using City Lens you will get a list view of the points of interest.
8. Hold the phone flat for a map view.

## HERE MAPS

- True offline maps for 94 countries load instantly and provide the widest offline map coverage in any mobile platform.
- Turn-by-turn walking navigation, driving and transit directions.
- Explore airports, malls and stadiums with indoor venue maps.
- Discover the top 25 places around you including pictures and reviews.

## HERE DRIVE+

- Full navigation in offline mode, for those times data and cellular aren't available.
- Get free<sup>1</sup>, turn-by-turn voice navigation.
- 60+ free voice-guidance options for download.
- Select your destination, see speed limit warnings and get traffic alerts.
- The full map data for the USA is preloaded for offline searching and navigation.
- Download maps for offline use in other regions for free<sup>2</sup>.

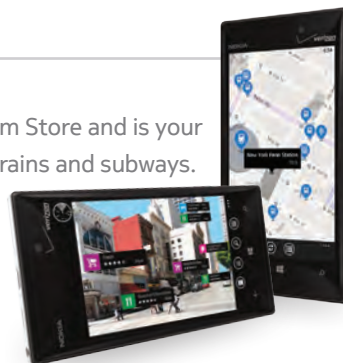
## DEMO

1. From the Start Screen, tap [HERE Drive+](#).
2. Tap the menu icon.
3. Tap Settings.
4. Tap [Manage Maps](#) to download maps of other regions to your phone for offline use.
5. Tap [Navigation Voice](#) to choose the navigation voice of the phone and to download new voices.
6. Tap [Set Destination](#) and search for a place you want to drive to.
7. Tap [Drive To](#).
8. Tap [Start](#) to get voice-guided navigation to your destination.

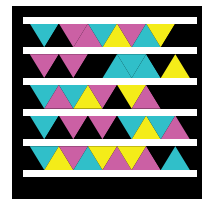
## HERE TRANSIT

HERE Transit<sup>3</sup> can be downloaded from Store and is your public transit companion for buses, trains and subways.

- Locate nearest stations, find departure times, plan and optimize your route.
- Segment assistance.
- Route and schedule sharing.



1. With the purchase of Nokia Lumia 928. Data charges apply in online mode.
2. Downloading of maps, games, music and videos and uploading of images and videos involves transferring large amounts of data. Your service provider may charge for the data transmission.
3. Here Transit available for download in the Windows Phone Store.



Scan the tag to see HERE Maps on the web.

# BETTER DESIGN

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The Lumia 928 offers the best of Nokia Design with clean, bold, elegant lines made from high-quality materials.

- A beautifully clean and simple look.
- Sleek and solid with pillowed front and back surfaces to feel perfect in your palm or against your face.

## PUREMOTION HD+ DISPLAY

The PureMotion HD+ OLED display incorporates improved, innovative technology, delivering crystal clear, bright content. It comes with Nokia's ClearBlack technology letting you see your screen clearly even in bright outdoor conditions. It's so responsive, it responds to your fingertips even when you're wearing gloves.

## SUPER SENSITIVE TOUCH DEMO

Enable touch sensitivity by going to Settings > display+touch > touch sensitivity. Select "HIGH" or move bar all the way to the right.

1. Use a glove or fingernail to test the sensitive touchscreen.
2. From the Start Screen, swipe to the right.
3. Swipe up and down the list of apps.
4. Press and hold an app tile to pin it to the Start Screen.

## BUILT TO LAST

Nokia Lumia phones are built better, so they last longer.

- Display sculpted from high quality and extremely resilient Corning® Gorilla® Glass 2.
- Exceptionally durable uni-body injection molded design. The lightweight polycarbonate material is pure color throughout, so there is no risk of the color flaking or chipping like with painted plastic.

### TIP

To get the most out of the Lumia 928 display, go to Settings and then Display + Touch. Here you can toggle touch sensitivity between high and normal, and turn Sunlight Readability and screen brightness reduction during battery saver on and off.

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## WIRELESS CHARGING

Place your phone on the wireless charging plate and, notice how quickly charging begins. The Lumia 928 can be charged on the Nokia wireless charging plate, Fatboy charging pillow or JBL PowerUp speaker.

Fully charge the 2000mAh battery using the Nokia DT-900 Wireless Charging Pad in about 45 minutes.

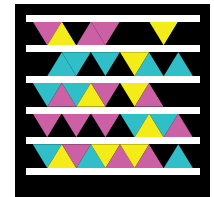
Wirelessly charge your phone on the go at participating restaurants and airlines. New vehicles are even starting to offer wireless charging options! Compatible with Qi-standard wireless charging accessories.

## LOUD AND CLEAR SMARTPHONE SPEAKER

Lumia 928 features one of the most advanced loudspeakers available for smartphones, delivering incredibly loud and clear sound.



Nokia Wireless Charging Pillow by Fatboy

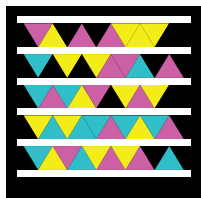


Scan the tag to learn more about Nokia Wireless Charging.

# BETTER EXPERIENCES

The Smartphone reinvented around you. Windows Phone. Designed to keep you closer to what matters most.

- The only phone with Live Tiles, so you can pin what matters most to your Start Screen.
- The only phone with delightfully different Live Apps, so you can see useful information from within the app at a glance.
- The only phone that works seamlessly with Windows so you can connect to Windows and Xbox.



Scan the tag to learn more about the top Windows Phone features.



## LIVE TILES

Pin your favorite people, apps or even music albums, websites, directions, etc. to your Start Screen. Personalize your Start Screen with different colors and sizes and your wallpaper with photos, websites or favorite app updates.

1. From the Start Screen, tap and hold the smallest tile to put the tiles in edit mode.
2. Drag and drop the tile to a new area on the screen.
3. To remove a tile, tap the [Unpin](#) icon while in edit mode.
4. Tap the tile again to exit edit mode.
5. To add a new tile to Start Screen, swipe left to access the app list, then press and hold the app tile and select [Pin to Start](#).
6. To change the color of the tiles, from the Start Screen, swipe left to access the app list.
7. Tap [Settings](#).
8. Tap [Theme](#).
9. Tap [Accent Color](#) and select a color.
10. Tap [Back](#).
11. Tap [Lock + Wallpaper](#).
12. Under [Background](#), you can select a photo for the wallpaper or you can have an app like Bing automatically update the wallpaper with new photos.

## LIVE APPS

Delightfully different type of app allows you to see useful information from within the app right on your Start Screen.

1. From the **Start Screen**, tap and hold the Calendar tile to put the tile in edit mode.
2. Tap  to make the tile smaller, noting that it still shows the date in the smallest size.
3. Tap  to make the tile larger. With the larger size, you get the day of the week and a preview of your next upcoming appointment.
4. Tiles can be up to three different sizes, with the larger sizes showing more information at a glance.

### TIP

Get app peace of mind: Windows Phone has over 130k+ apps, with lots that are free. You can also try before you buy most Windows Phone paid apps and all Xbox games. All Windows Phone apps are tested and certified by Microsoft and only Windows Phone Store learns the apps you like and provides you with app recommendations.

1. 7 GB of SkyDrive storage available for free, with additional storage available at an additional fee.



## IT'S WINDOWS




Windows Phones let you:

- Experience the same, familiar Live Tiles on Windows Phone 8, Windows 8 and Xbox 360.
- Get 7GB of free<sup>1</sup> storage with SkyDrive and automatically back up your full-resolution photos, videos, Office documents and more.
- Listen to Xbox Music on your Windows Phone 8, Windows 8 PC and Xbox 360.
- Play games across multiple screens with Xbox SmartGlass.
- Enjoy the same native Microsoft Office experience across Windows Phone and Windows.

## KID'S CORNER

Use Kid's Corner to prevent your kids from accessing your accounts, apps and other sensitive data on your phone. Turn on Kid's Corner and create a separate Start Screen with content you want your kids to use. Kid's Corner is password protected, and it has its own Lock Screen, which makes it easy to identify from the main Lock Screen.

## DEMO

1. From the Start Screen, swipe left to go to apps list.
2. Tap Settings and then tap Kid's Corner.
3. Tap  to turn on Kid's Corner, then  to pin it to your Home Screen.
4. Choose the content you want to display in Kid's Corner like apps.
5. Tap the name of the apps you want to add.
6. Tap the  and then tap next.
7. To set a Lock Screen password, tap Set Password.
8. Enter a new password and enter it again to confirm it. Then, tap Done.
9. Tap Finish and the Kid's Corner Lock Screen displays.
10. Swipe up to unlock the screen.
11. To exit Kid's Corner, press the Power key to lock the phone.



## PEOPLE HUB

Social network integrated in People hub keeps you close to your personal connections.

1. Use the [People Hub](#) for quick posting to your social networks.
2. From the Start Screen, tap on the [People Hub](#).
3. Swipe to [All](#) and tap on the large tile at the top, your [Me Tile](#).
4. Tap [Post and Update](#) to quickly post a message to your social networks.
5. Tap the selection box under [Post To](#) to select the networks to which you want to post an update.
6. Tap the selection box under [Share On Facebook With](#) to customize who sees your Facebook updates.



## FAMILY ROOM

Create a private room in the People Hub where you can share photos, messages, lists, calendars and notes privately with your family.

- Follow your social networking feeds of a specific group of friends or family.
- Privately message with the whole group at once.
- Share photos and locations.
- Sync on to-dos, lists and chores.
- Share a common calendar so everyone is on the same page.
- Securely deliver your location and a map of your location to only a group.

### TIP

Rooms aren't just for families. You can have up to 5 rooms, so you can also create rooms for your weekend soccer team, your small business or your car pool.

## GAMES HUB

The Games Hub is your on-the-go arcade. It's also the place to dress up your avatar, message your Xbox friends and see how your scores and achievements measure up. Add the SmartGlass app to control your Xbox with your phone.

- **Collection** – Access all your games from one place, including demos and Xbox games.
- **Xbox** – See your gamertag and profile, review your achievements, customize your avatar, edit your account info and more.
- **Notifications** – View invitations to play with friends or see when it's your turn in an ongoing game.
- **Spotlight** – Read up on gaming news, tips and trends from the Xbox team.



## OFFICE HUB


Be productive wherever you are: access, change and share documents on the go.

- Microsoft® Office is built into every Windows Phone, so there is no need to purchase 3rd party apps.
- Create, view, edit and share Word and Excel documents on the go.



- View and edit PowerPoint documents for your next meeting.
- Take notes with OneNote by typing or using voice commands.
- Seamless syncing with SkyDrive and SharePoint.




## OFFICE DEMO

1. From the Start Screen, tap the Office tile.
2. Swipe over to Recent.
3. Tap  to create a new Office document.
4. Select Mileage Tracker from the list of Excel templates.

## EMAIL

Whether you're sending personal or business email, Windows Phone 8 gives you a seamless email experience. You can even speak your message and your Nokia Lumia will type the email for you.

## EMAIL DEMO

1. From the Start Screen, tap your email account.
2. Tap  to begin typing a new email.
3. Enter the email address in the **To: Field**.
4. Enter the **Subject**.
5. Tap the **Body** of the message.
6. Tap .
7. Say your message. Your message displays.
8. Tap .

## LINKING EMAIL INBOXES





Keep work and personal life separated by creating linked inboxes for your work and personal accounts.

1. While viewing your email inbox, tap (...).
2. Tap **Linked Inboxes**.
3. Under the “Other inboxes” heading, tap any inboxes you want to link to your current inbox.
4. Tap **Rename Linked Inbox**, enter a name and then tap ✓.

## DATA SENSE

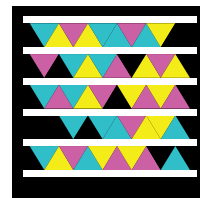
Data Sense provides you with a Live Tile that constantly informs you of your data usage and warns if you are approaching a preset data limit. Data Sense also monitors the data you’re using app by app and compresses data on its way to and from your phone, helping you save on your data plan usage.

## ONE NOTE DEMO

1. From the Applications Screen, tap .
2. To create a new note, tap .
3. Tap  to record a voice memo.
4. To pin OneNote to the Start Screen, tap .

### TIP

Log into your Microsoft Account in Office 2013 for Windows to quickly save documents to SkyDrive and then pick up right where you left off on your phone, PC or Windows 8 tablet.



Scan the tag to learn more about productivity on the Nokia Lumia 928.



## NEED HELP?

### HOW CAN I TRANSFER MY CONTACTS FROM MY OLD PHONE TO MY NEW LUMIA PHONE?

With the Verizon Backup Assistant Plus:

1. Go to **Settings**.
2. In System, scroll down to Backup Assistant Plus.
3. Tap **Next** to setup Backup Assistant Plus.
4. Tap **Sync Now** to start syncing contacts from your previous Verizon phone.
5. Contacts will sync every night unless the option is unchecked in the settings.

With the Nokia Transfer My Data App:

1. Tap store .
2. Search for and install **Transfer my Data** app.
3. Return to the app list once the download completes.
4. Tap .
5. Tap to connect to your old phone (make sure that Bluetooth is turned on).
6. Check **Contacts Box**.
7. Press **Start**.
8. Content will transfer automatically and alert you when done.

With the Welcome Home to Windows Phone:

1. Go to [www.markspace.com/welcomehome/nokia](http://www.markspace.com/welcomehome/nokia).
2. Download the Welcome Home to Windows Phone app for your Mac or Windows computer.
3. Plug in your previous Windows Phone, Android or iOS handset to the computer via USB and run the Welcome Home to Windows Phone application (you may be asked to install a helper app to your previous phone).
4. Your contacts, meetings and non-DRM protected media will be transferred to your new Lumia 928.

### HOW DO I SET UP A MICROSOFT ACCOUNT?

1. With the micro SIM card inserted, turn on the phone.
2. Tap **Get Started**.
3. Choose a language and tap **Next**.
4. Read the terms of service, and then tap **Accept**.
5. Tap **Recommended**.
6. Select your time zone and tap **Next**.
7. Tap **Sign In**.
8. Enter your Microsoft Account e-mail address and password and tap **Sign In**.

**Note:** If you already have an Xbox, MSN, Hotmail or Windows Live ID account, you should use that account for your sign in.

### HOW DO I MAXIMIZE MY BATTERY LIFE?

To get optimal battery life, use the Nokia charger that came in the box or a compatible Nokia wireless charging plate. Here are a few other tips for maximizing your battery life:


**Turn on the battery saver:**

1. From the Start Screen, swipe left to access the app list.
2. Tap **Settings**.
3. Scroll to Battery Saver.
4. Slide to turn on.

**Turn off unneeded background tasks:**

1. In **Settings**, swipe to the right to **Applications**.
2. Tap on **Background Tasks**.
3. On the list of allowed apps, tap on the app.
4. Tap **Block**.

#### Turn on Battery Saver for HERE Drive+:

1. Open [HERE Drive+](#).
2. On the main navigation screen press .
3. Tap [Settings](#).
4. Scroll down to [Battery Saver](#).
5. Toggle the slider on.
6. This switches off background navigation tasks when not being guided along a route.

#### Turn off Wi-Fi and Bluetooth when not in use:

1. From the Start Screen, swipe left to access the app list.
2. Tap [Settings](#).
3. Tap [Wi-Fi](#) or [Bluetooth](#) to turn off.

#### HOW DO I BACK UP MY PHONE?

One of the best features of Windows Phone 8 is the ability to back up items to the cloud.

1. From the Start Screen, swipe left to access the app list.
2. Tap [Settings](#).
3. Tap [Backup](#).
4. Choose the items you want to back up.

The free 7GB of storage on SkyDrive includes storage to back up your settings, apps, pictures and text messages to the Cloud. Be sure to set this up for your customers when they purchase the phone.

#### HOW DO I REBOOT MY PHONE?

1. Press and hold both the volume down and power button for 8-10 seconds until the battery disengages and the phone powers off.
2. Press power button to turn the phone back on.

#### WHEN SHOULD I RESET MY PHONE?

You should reset your phone if you have forgotten your lock code.

**Note:** Resetting the phone will erase user data, including HERE Maps data. To reinstall apps, use the “restore your phone?” option during the phone startup sequence. Or, go to [www.windowsphone.com](http://www.windowsphone.com) and click **My Phone > Sign in**.

#### Reset phone using the hard keys:

1. With the phone turned off, press Power key to turn on the phone, then immediately press and hold Volume Down key.
2. A “!” mark will appear on the display.
3. Press the following keys in this order:
  - Volume Up
  - Volume Down
  - Power Key
  - Volume Down
4. Device will now reset.
5. Gear icons will display for 3-5 minutes while the phone is resetting.

**Note:** This is a good option if you forget the LOCK code.

#### Reset phone from settings:

1. From App list, tap [Settings](#).
2. Tap [About](#).
3. Tap [Reset Your Phone](#).

## I RESET MY PHONE, AND NOW MY PRELOADED/DOWNLOADED MAPS ARE GONE. HOW DO I GET THEM BACK?

1. Swipe left to get to the app list.
2. Tap **Settings**.
3. Swipe sideways to **Applications**.
4. Tap **Maps**.
5. Tap **Download Maps**.
6. Tap **+**.
7. Tap **North and Central America**.
8. Tap **USA**.
9. Tap **All Regions**.
10. Tap **Download**.

**Note:** You must connect to a Wi-Fi network to download large Maps.

## HOW DO I UNINSTALL OR REINSTALL APPS ON MY PHONE?

Manage apps on your phone:

1. From the Start Screen, tap **📦**.
2. Tap **📦** and begin entering the name of the app or game you want to reinstall.
3. Tap its name from the drop-down list.
4. If it's a free app or game, tap **Install**.
5. If it's a paid app or game, tap **Buy**. On the confirmation screen, a message displays stating you have already purchased this app.
6. Tap **Install** to reinstall the app or game.
7. From the Start Screen, swipe left to accept the app list.
8. Tap & hold on the app icon you want to remove.
9. Tap **Uninstall** from the drop down menu.

## HOW DO I CHECK IF AN UPDATE IS AVAILABLE?

1. From the app list, tap **Settings**.
2. Scroll to **Phone Update**.
3. Tap **Check for Updates**.

## HOW DO I UPDATE THE SOFTWARE ON MY PHONE?

The phone software updates Over the Air (OTA). When an update is available, you will receive a notification. You can choose to update or wait until later. Software updates are data intensive. Before starting the software update, connect to a Wi-Fi network.


## WHERE DO I FIND FIRMWARE VERSION AND IMEI?

1. From the app list, tap **Settings**.
2. Tap **About**.
3. Tap **More Info**.

## HOW DO I SYNC MUSIC AND VIDEOS WITH MY COMPUTER?

- **ONLY NON-DRM CONTENT SUPPORTED.**
- **Windows 8** – Plug in your Windows Phone to begin installation of the appropriate Windows Phone app from the Windows Store.
- **Windows 7** – Plug in your Windows Phone and follow the on screen instructions to download the Windows Phone app for desktop.
- **Mac** – Download the Windows Phone app from the Mac app store.
- Launch the appropriate Windows Phone app for your OS/preferred experience to transfer content from the PC to the phone.
- Only the Windows Phone desktop app will support iTunes sync.
- Drag and drop also supported on Windows 7 and 8.
- SkyDrive app users from Android/iPhone can see their videos simply by navigating to the Photos Hub to see their content show up in the SkyDrive album.

## HOW CAN I SWITCH BETWEEN APPS?

Press and hold  to switch between running apps without going to the Start Screen.

## HOW DO I CHANGE THE NOTIFICATIONS, TIME OUT SETTINGS AND LOCK CODE?

1. From the app list, tap **Settings**.
2. Tap **Lock Screen**.
3. Choose an app to see a detailed status for the calendar, messaging or phone on the Lock Screen.
4. Select the apps that you want to see a quick status for on the Lock Screen.
5. Change the time out settings or password.

## HOW DO I TURN ON LOCATION SETTINGS?

1. Swipe left from Home Screen to get to the app list.
2. From the app list, tap **Settings**.
3. Tap **Location**.
4. Swipe right across the screen to turn on location services.  
With this setting on, applications [can access your current location](#).

## WHAT DO I DO IF MY PHONE IS LOST OR STOLEN?

1. If you have Find My Phone enabled, go to [www.windowsphone.com](http://www.windowsphone.com).
2. Click **My Phone**.
3. Click **Sign In** and sign in with the same Microsoft Account you use on your phone.
4. Click **Find My Phone**. See the current location of your phone on the map.
5. Click **Ring** to hear your phone ring.
6. You can also add a message that will display on the phone Lock Screen.
7. If you have your phone connected to an Exchange server you can also lock or wipe the phone via Outlook Web Access or by contacting your IT department.

## WHO CAN I CONTACT IF I HAVE MORE QUESTIONS?

Contact:

Jennifer Lyons  
1 (408) 613-8017  
[jennifer.lyons@nokia.com](mailto:jennifer.lyons@nokia.com)



Scan the tag to see  
more Windows Phone  
How-Tos.



# NOKIA LUMIA 928 SPECIFICATIONS

**Networks** Global Ready™ CDMA1x/EV-DO (850MHz, 1900MHz) Rev A  
GSM (850MHz, 900MHz, 1800MHz, 1900MHz)  
UMTS (850MHz, 900MHz, 1900MHz, 2100MHz)

**OS** Windows® Phone 8

**Speed** 1.5GHz dual core, Qualcomm MSM8960+WTR, 1GB RAM

**Display** 4.5" WXGA HD OLED, PureMotion HD+; Resolution 1280 x 768, Aspect Ratio 15:9, Pixel Density 334 ppi; ClearBlackDisplay, Sunlight Readability Enhancement (SRE), High Brightness Mode (HBM); Luminance 300 nits (nominal max), 500 nits (High Brightness Mode); Color depth 24 bit, 16M colors, refresh rate 60Hz; Super-sensitive capacitive touch enables interacting with the display with gloves and long fingernails; Display active area: 58.37 mm x 97.28 mm; 2.5D Corning® Gorilla® Glass 2

**Battery** Integrated 2000mAh battery, Li-po, BV 4-NW

**Memory** 1 GB RAM; 32GB internal memory (formatted capacity is less); 7GB free in Skydrive with additional storage via subscription

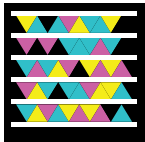
**Camera & Video** PureView 8.7MP Auto Focus Carl Zeiss Tessar  
• f/2.0, 26mm True 16:9 optics , 1.4µm sensor  
• Optical Image stabilization  
• 3280 x 2464 for 4:3 mode (8MP)  
• 3568 x 2016 for 16:9 mode (7.2MP)  
• Xenon Flash for Still Images  
• LED for Video  
• HD 1080p Video Capture @ 30 fps Video  
Front facing camera: 720p HD video and 1.2MP still images.

**Connectivity** • Micro USB 2.0 HS with charging.  
• A-GPS and Glonass  
• NFC with secure element on SIM  
• WiFi 802.11 a/b/g/n, 2.4GHz and 5.0GHz  
• Bluetooth 3.0 + EDR BT Profiles: A2DP, AVRCP 1.4, HFP, HSP, PBAP, OPP, RF COMM API  
• Sensors: 3D Accelerometer, Proximity, Magnetometer (compass), Ambient light (ALS), Gyroscope  
• HAC (Hearing Aid Compliance): M3/T4

**Size & Weight** Dimensions: 5.24 x 2.71 x 0.44 inches, Weight: 5.7 ounces

**Audio** 3.5mm Audio Connector, 3 high-dynamic range microphones. Amazon speaker box with digital amplifier.

**Other** Integrated wireless charging (WPC Qi Standard)



Scan the Tag to learn more about Smart Setup.



## HOW DO I INSERT AND REMOVE MY SIM CARD FOR NOKIA LUMIA 928?


1. Make sure the **Lumia 928** is powered off and face-down.
2. Using a fingernail, pull the SIM card tray out of the phone.
3. Insert the SIM card, with contacts facing up, into the tray.
4. With the SIM in place, slide the tray back into place until fully inserted.
5. Press and hold the power/lock button to power on the phone.

# GET TO KNOW THE LUMIA 928


FRONT/SIDE



TOP/BACK

1. **Earpiece**
2. **Front-facing Camera:** Video chat with your friends on multiple platforms on the front-facing camera.
3. **Volume Control Keys:** Press to increase or decrease the ring volume, and tap the system tone icon to switch between vibrate or ring + vibrate. During a call, press to adjust the earpiece volume. When playing a song, press to control the playback volume.
4. **Power/LOCK Key:** Long press for five seconds to power on or off. Short press to lock and unlock the screen.
5. **Camera Key:** Press and hold to activate the camera when the phone is locked. Press to take a photo.
6. **Search:** Press to open Quick Search.
7. **Main Mic:** Primary microphone for voice calls.
8. **Start:** Press to return to the Start Screen. Use a long press to activate voice recognition.
9. **Back:** Press to return to the previous screen. Press and hold to open the visual multi-tasker.
10. **Live Tiles:** Pin what matters most right on your Start Screen and see everything that's going on, as it happens. To resize a tile, tap and hold a tile to edit, and tap  to make it bigger or smaller. To unpin a tile press the unpin icon.
11. **Status Bar:** Tap the top of the screen downward to view your connection, battery life, time and other alerts.
12. **Speaker:** Digitally amplified external speaker makes calls on speakerphone crystal clear and provides full, rich audio for music and videos.
13. **Main Camera:** 8.7 MP PureView with Optical Image Stabilization, Carl Zeiss Tessar optics f/2.0 aperture/26mm wide angle, Auto Focus.
14. **XENON FLASH:** Ultra-bright and instantaneous flash for those moments when you simply need to freeze the moment. It's brighter and faster than an LED flash.
15. **HEADSET JACK:** Listen to music through headphones or output to a car, amplifier, or speakers.
16. **Micro-SIM Tray:** Slide tray out to insert LTE micro-SIM.
17. **Micro USB CHARGING Port:** Connect to a computer to transfer files or charge the phone with Nokia Charging and Data Cable (included in box).
18. **VIDEO RECORDING Microphone:** Microphones for high-dynamic range audio recording.



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**NOKIA**  
**LUMIA 928**

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