# LG GBThinQ™

















#### PREMIUM AUDIO

Crystal Sound OLED Speaker Boombox Speaker



#### TOUCHLESS CONTROL

Hand ID Air Motion



#### ADVANCED CAMERAS

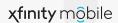
12 MP Standard Rear 16 MP Wide-Angle Rear 8 MP Front-Facing with Z Camera



#### **ELEGANT DESIGN**

Sleek Glass Design 6.1" OLED FullVision™ Display







	DUAL REAR CAMERAS		FRONT CAMERAS
	Standard Angle	Super Wide Angle	Standard Angle
Field of View	78°	107°	80°
Maximum Aperture	f/1.5	f/1.9	f/1.7
Sensor Size	1/2.6"	1/3.1"	1/3.6"
Sensor Pixel Size	1.40 µm	1.00 µm	1.22 µm
Resolution (up to)	12 MP (4032 x 3024)	16 MP (4656 x 3492)	8 MP (3280 x 2464)
Flash	LED	LED	Selfie-Light

#### **DUAL REAR CAMERAS**

- · OIS+ capture sharp images quickly with less blur
- · Dual PDAF autofocus using dual PD pixel sensor
- Zoom up to 8x
- · Manual Camera adjust shutter speed, ISO, exposure, white balance, and more; save image as raw (DNG) and JPEG
- Graphy 2.0\* select reference photos that automatically adjust Manual Mode settings
- · Food adjusts white balance to improve appearance
- Other Camera Modes: Auto, Slow-Mo, Cine Video, Panorama, YouTube Live, Time-Lapse, 360 Panorama
- Al Composition recognizes up to 3 people and adjusts the picture composition based on photography's rule of thirds
- · Night View take sharper photos at night by adjusting the brightness with the slider
- · Google® Lens searches what you see and provides relevant online information; features OR code and real-time translator

#### DUAL REAR CAMERAS & FRONT CAMERA

- · Studio change lighting and background for a studio look
- Spotlight add lighting from different angles by selecting where it illuminates the subject's face
- · Portrait bokeh effect blurs the background while keeping the subject in focus
- · Al Cam suggests the optimal effect and angle by automatically identifying what's in the shot
- · Cine Shot create partially animated videos by selecting specific areas to animate
- \* App download required.

- HDR corrects backlighting with multiple exposure techniques
- My Avatar take a picture of yourself to create a personalizable animated emoji
- · AR Emoji 3D graphic animals mimic your facial expressions
- · Flash Jump-Cut photos are taken every 3 seconds and saved as a GIF
- Live Photo record the action right before and after you take a photo
- · AR Sticker personalize photos with a variety of pre-loaded stickers
- Quick Sharing access sharing apps instantly after taking pictures and videos
- · Film Effect choose from 17 preset filters

#### FRONT CAMERA

- · 8 MP Autofocus Front-Facing Camera
- Makeup Pro manually change the appearance of selfies by adjusting complexion, lip color, or enhancing eyes and eyelashes
- · Auto Shot take a selfie with automatic face detection
- · Gesture Shot take a selfie with a simple hand gesture
- Gesture Interval Shot make a fist twice to take four selfies in a row
- Gesture View automatically preview the image when bringing the phone close
- Selfie Light screen illuminates for well-lit selfies
- · Beauty Shot softens facial features



### Video Recording

- · Video Portrait blurs the background while keeping the subject in focus
- · 4K Video Recording at 60 FPS
- · EIS capture sharp footage with less blur
- Resolution: up to 3840 x 2160 pixels (1920 x 1080 default)
- Steady Record record smoother, clearer videos on the move (this is available front and rear)
- · HDR10 Video Recording life-like footage with a wide spectrum of color that is rich, accurate, and high contrast
- · Point Zoom zoom in on any selected area within the frame for more stability and control
- · Video Manual Mode\* adjust audio focus, manual focus, white balance, frame rates, and more
- Cine Effect choose from 16 different color grading presets for a cinematic look
- Time-Lapse Video video where time appears to be moving faster
- Video Studio\* merge up to 50 photos or videos; trim and add title/text, background music, and theme effect overlays



#### **SECURITY**

- Multi ID 3 ways to unlock: 3D Face Unlock, Fingerprint ID, and Hand ID
- Hand ID 3D sensor scans palm and uses unique vein recognition technology to unlock the device
- Fingerprint ID access phone, make mobile payments, secure content<sup>1</sup>
- · 3D Face Unlock unlock screen with facial scan
- Screen Lock Swipe, Knock Code®, Pattern, PIN, Password
- Google Smart Lock keep phone unlocked when connected to trusted devices or in trusted places

#### CONVENIENCE

- Air Motion control phone with touchless commands to access favorite functions. answer calls, snooze alarms, and increase volume
- Z Camera front-facing 3D sensors (receiving and transmitting) enable touchless control, security features, and enhanced selfies
- Emotional Haptic Function vibrates when AI functionality has detected something
- Barge-in recognizes "Hey Google" commands while audio is playing
- App Scaling set view to None (Original), Compatibility (16:9), Standard (16.7:9), Full screen
- · Shortcut Keys quick access to Capture+, Camera or Google Assistant

- Comfort view decreases amount of blue light on the screen to help alleviate eyestrain
- · Screen Color adjust settings for Auto, Eco, Cinema, Sports, Game, Expert, Color temperature or RGB levels
- . Mini View shrink the screen for one-handed use
- . Knock On® double tap the screen to put your phone to sleep/wake it
- Smart Cleaning® optimize phone storage and test hardware for improved performance
- Battery Saver conserve battery by changing settings and restricting apps in the background
- LG Health<sup>2</sup> fitness app tracks daily activity

#### **PRODUCTIVITY**

- · Google Assistant with LG Integration intelligent personal assistant also performs LG-exclusive device-specific tasks
- · Multi Window use two apps simultaneously on a split screen
- Drag and Drop Picture Gallery select multiple pictures and easily drag and drop into sub-folders
- QTag gallery searches with automatic tagging and album creation
- QuickMemo®+ write or draw with the paper style, pen size/color of your choice, schedule memos to appear at certain times or locations
- · Capture+ write or draw on nearly any screen

1 Features and capabilities may vary by carrier. 2 This device and related software is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment or prevention of disease. Consult a doctor before starting an exercise program.



# Audio

- · Crystal Sound OLED Speaker entire screen is a speaker for immersive sound
- · Boombox Speaker inner resonance chamber along with bottom speaker provides greater sound levels for boosted bass
- DTS:X Virtual Surround deep 3D stereo audio experience<sup>1</sup>
- 32-Bit Hi-Fi Quad Digital-to-Analog Converter (DAC) produces crisp, full sound through wired headphones
- · Wind Noise Filter minimize wind noise during video recording
- Sound Preset custom options to achieve different sound experiences

- Digital Filter Short, Sharp, or Slow options of Sound Filter characteristics in DAC
- · Super Far-Field Voice Recognition (FFVR) improved voice recognition picks up commands better in noisy environments from up to 16' away<sup>2</sup>
- HD Audio Recorder choose between Normal, Concert, and Custom modes; record over a separate track
- Hi-Fi Video Recorder 2 high AOP mics record higher-quality sound<sup>3</sup>
- · Hi-Fi Streaming MQA decoder enables high resolution audio to be packaged in a small size

1 Wired headphones or speakers required. 2 Ambient noise and room configuration may lessen operational distance and accuracy. 3 Available only in Manual Mode



## **Entertainment**

- Boombox Show music comes alive with a strobe light and screen visuals that move to the music
- Game Tools use take a break function, take a screenshot, scale app, disable alerts during game, hide home touch buttons or adjust resolution and frame rate
- · Accelerometer control games by turning and tilting\*
- Music Player supports MP3/MP2, WAV, AMR, AAC, AAC+, eAAC+, AC3, OGG, FLAC, QCP, DSF, DFF, AIFF, MID, XMF, IMY, RTTTL/RTX, M4A, MIDI, PCM, and MP2 formats
- Google Play™ Music organized by songs, albums, artists, genres, playlists, folders, and nearby devices
- Video Player with Touch Lock, Play on Lock Screen, Live Zooming, Video Screenshot, and Resume Play Functions; supports 3G2, 3GP, MP4, M4V, AVI, ASF, MPG, MKV, Webm, FLV, TS, M2TS, OGM, MOV, PS, K3G, SKM, and MPG formats
- · Customizable Video Play Speed, Screen Ratio, Subtitle



- 6.1"\* QHD+ OLED Display (3120 x 1440, including notch); 564 ppi
- FullVision Display 19.5:9 Aspect Ratio; 83.1% screen-to-body ratio
- New Second Screen choose to add a color fill to the status bar

\* Actual viewable area is less due to rounded corners and notch

- Floating Bar access app shortcuts and call notifications on a movable/collapsible toolbar
- · Always-On Display time, date, and notifications appear on a sleeping screen
- · Palm Rejection prevents accidental interactions on the touch screen

# Design & Durability

- Size: 5.98" (H) x 2.83" (W) x 0.33" (D), Weight: 5.89 oz.
- · Dedicated Google Assistant Key
- IP68 Dust and Water Resistant<sup>1</sup>
- Shock Resistant MIL-STD-810G Tested<sup>2</sup>

- Corning® Gorilla® Glass 5 (Front) & 6 (Rear) Protection
- Heat Pipe absorbs and moves heat away from the processor to help minimize the risk of overheating

# Connectivity

- 4G LTE Network<sup>1</sup>
- Network: LTE/UMTS/GSM/CDMA
- Frequencies: LTE: B2, B4, B5, B13, B46, B48, B66; LTE Roaming: B3, B7, B20, B28; UMTS: B1, B2, B5, B8; CDMA BC0/BC1, EVDO Rev.0/A

1 Tested under controlled laboratory conditions with a rating of IP68 under IEC standard 60529 (Water resistant up to 1.5 meters for 30 minutes). If the product gets wet, use a clean, soft cloth to dry it thoroughly 2 Compliant with a military standards test (MIL-STD-810G Method 5166, Procedure IV "Transit Drop"). Device may not perform as tested in all conditions. Test performed in controlled environment. Do not attempt

- Data Transmission: LTE, EVDO Rev. A, EVDO, 1xRTT, HSPA+, HSPA, UMTS, EDGE, GPRS, GSM
- Wi-Fi Hotspot<sup>2</sup> share a 4G LTE data connection with up to 10 wireless devices<sup>3</sup>
- Bluetooth® Wireless Technology Version 5.0
- Supported Bluetooth Profiles: A2DP, AVRCP, DI, GATT, GAVDP, GOEP, HDP, HFP, HID, HSP, MAP, OPP, PAN, PBAP, SPP, HOGP
- Wi-Fi® Standards: 802.11 a/b/g/n/ac

- Wi-Fi Direct® connect directly to devices
- USB4 and Bluetooth Tethering2 share your Internet connection
- · Android Beam (NFC) share contacts, web pages, and more
- Media Server allow nearby devices to access content
- MIDI Device connect to musical instruments via USB<sup>4</sup>
- A-GPS, S-GPS, and Qualcomm® Service for Enhanced Location Accuracy
- Advanced Calling Features: HD Voice<sup>5</sup>, Wi-Fi Calling, Video Calling
- Screen Sharing (Miracast®) wirelessly mirror device screen
- MirrorLink® connect to a MirrorLink-capable car to share your screen and apps

1 4G LTE Network not available everywhere. 2 Carrier service required. Product features subject to change. Features based on carrier program availability. Additional charges may apply. 3 Depends on network availability. Additional carrier charges may apply. 4 USB cable required (included). 5 HD Voice required on both caller and receiver devices.



### Power & Performance

- Platform: Android<sup>™</sup> 9 (Pie)
- User Interface: LG UX 8.0
- Processor: Qualcomm Snapdragon™ 855 Octa-core (up to 2.84 GHz x 1 + 2.42 GHz x 3 + 1.79 GHz x 4)
- Battery Capacity: 3,500 mAh Non-Removable
- Talk Time: up to 22 hours1

- Standby Time: up to 412.5 hours1
- Charging: USB Type-C<sup>™</sup> port; wireless charging<sup>2</sup>; Qualcomm Quick Charge<sup>™</sup> 3.0
- Internal Memory: 128 GB (104 GB usable)<sup>3</sup>
- microSD™: supports card up to 2 TB (cards sold separately)
- RAM: 6 GB
- Hearing Aids: Rated for M4, T3

1 Actual time may vary depending on network connectivity and application use. 2 Wireless charger sold separately. 3 Usable memory varies depending on software version and settings



### **LG** Accessories

USB Type-C Cable (Quick Charge 3.0 Charger)<sup>1</sup>

1 Included with phone. 2 Available models vary by carrier

Bluetooth Stereo Headset<sup>2</sup>

