

IBM Mid-Peninsular PC Club Meeting

December 18, 2017

Agenda

- We will be discussing and demonstrating the Apple iPhone X, Peter Hirsch
 - Apple's newest, next generation iPhone and
 - Apple's iOS V11.2 Operating System
- Apple iPadPro for organizing and Reading choir music, John Matthews
- We will be discussing the future of the club, George Kornbluth
- At the end of the meeting we will be giving away our annual Holiday prizes to those paid up members that are present, George Kornbluth



Apple iPhone X and Apple iOS 11

PETER HIRSCH

12/18/2017



Features of Apple iPhone X



The first OLED screen that rises to the standards of iPhone

- Accurate, stunning colors,
- True blacks
- High brightness
- 1,000,000 to 1 contrast ratio

A tiny space, Notch, at the top of the screen houses some of the most sophisticated technology

- Including the cameras
- Sensors that enable Face ID

The most durable glass ever in a smartphone,

- Front and back surgical-grade stainless steel.
- Wireless charging.
- Water and dust resistance

iPhone X Features

Familiar gestures make navigation natural and intuitive. Instead of pressing a button, a single swipe takes you home from anywhere.

- No Home Button

Your face is now your password. Face ID is a secure and private new way to unlock, authenticate, and pay.

- Face ID is enabled by the TrueDepth camera and is simple to set up. It projects and analyzes more than 30,000 invisible dots to create a precise depth map of your face.
- No Fingerprint ID

Portrait Mode Selfies

- Create beautiful selfies with sharp foregrounds and artfully blurred backgrounds.



iPhone X Animoji

Animoji

- The TrueDepth camera analyzes more than 50 different muscle movements to mirror your expressions in 12 Animoji.
- Reveal your inner panda, pig, or robot.



iPhone X Cameras

12Mega Pixel (MP) wide-angle and telephoto cameras

Wide-angle: f/1.8 aperture

Telephoto: f/2.4 aperture

Dual optical image stabilization

Optical zoom; digital zoom up to 10x

Wide color capture for photos and Live Photos

Quad-LED True Tone flash with Slow Sync

Portrait mode

Portrait Lighting (beta)



iPhone X

Video

4K video recording at 24 fps, 30 fps, or 60 fps

1080p HD video recording at 30 fps or 60 fps

Optical image stabilization for video

Optical zoom; digital zoom up to 6x

Slo-mo video support for 1080p at 120 fps or 240 fps

Time-lapse video with stabilization

iPhone X CPU Processor

A11 Bionic Superhuman intelligence.

Introducing A11 Bionic. The most powerful and smartest chip ever in a smartphone, with a neural engine that's capable of up to 600 billion operations per second.

The new Apple-designed three-core GPU, A11, is up to 30 percent faster than A10 Fusion.



iPhone X Display

Super Retina HD display

5.8-inch (diagonal) all-screen OLED Multi-Touch display²

HDR display

1300:1 contrast ratio (typical)

True Tone display

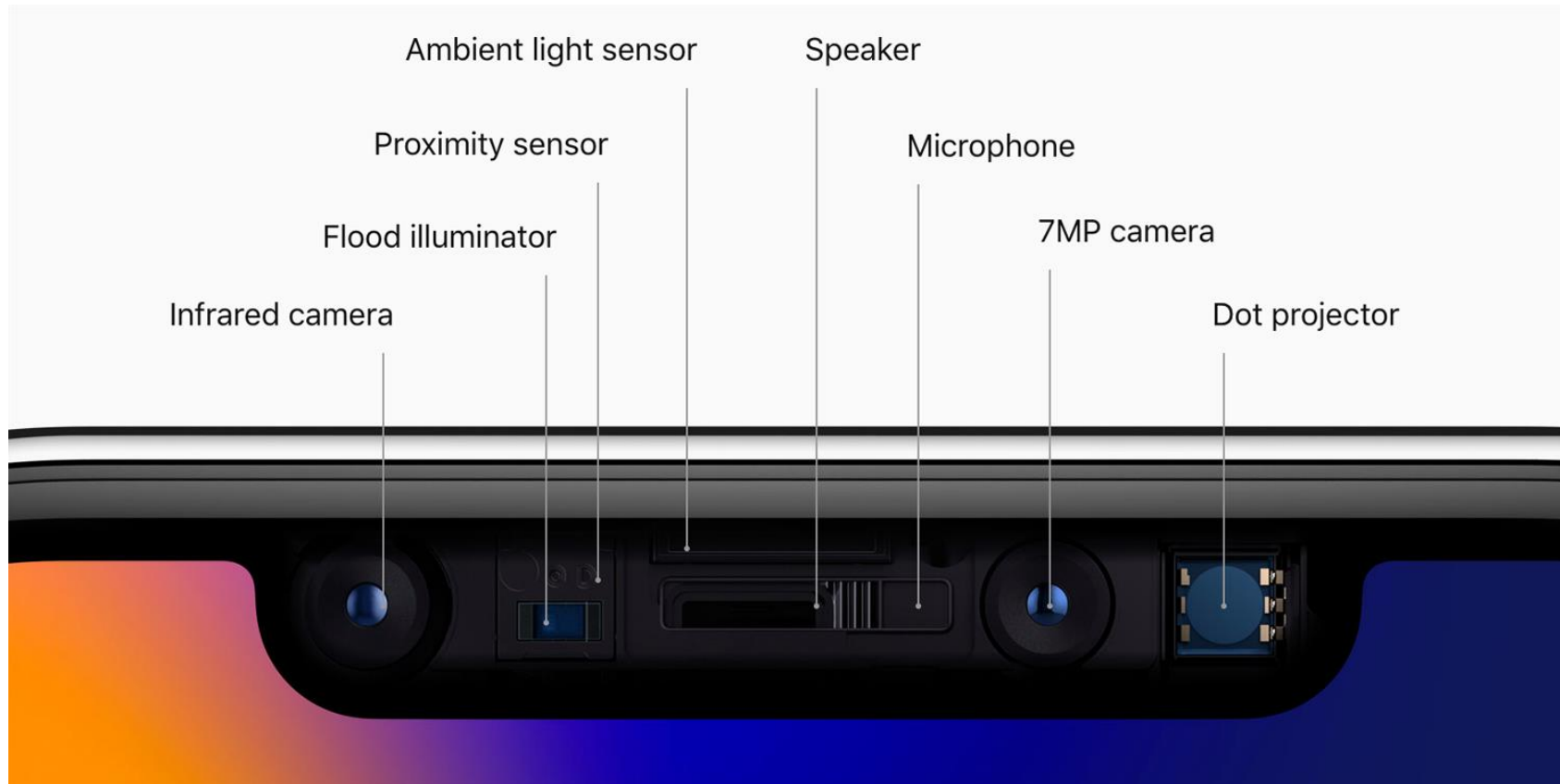
Wide color display (P3)

3D Touch

625 cd/m² max brightness (typical)

2436 x 1125 pixels 458 Points per Inch (ppi)

iPhone X Notch



iPhone X

Size and Weight

Height 5.65 inches (143.6 mm)

Width 2.79 inches (70.9 mm)

Depth 0.30 inch (7.7 mm)

Weight 6.14 ounces (174 grams)

iPhone X Headphones and Sensors

Included Headphones

- Ear Pods with Lightning Connector
- Lightning to 3.5 mm Headphone Jack Adapter

Sensors

- Three-axis gyro
- Accelerometer
- Proximity sensor
- Ambient light sensor
- Barometer



iPhone X Battery Life

Power Efficiency

- A second-generation performance controller and custom battery design that lasts up to two hours longer between charges than iPhone 7
- I find that I only need to charge the iPhone X once a day at night, even with heavy use, if Bluetooth is off

Wired or Wireless Charging

Wireless contact Charging

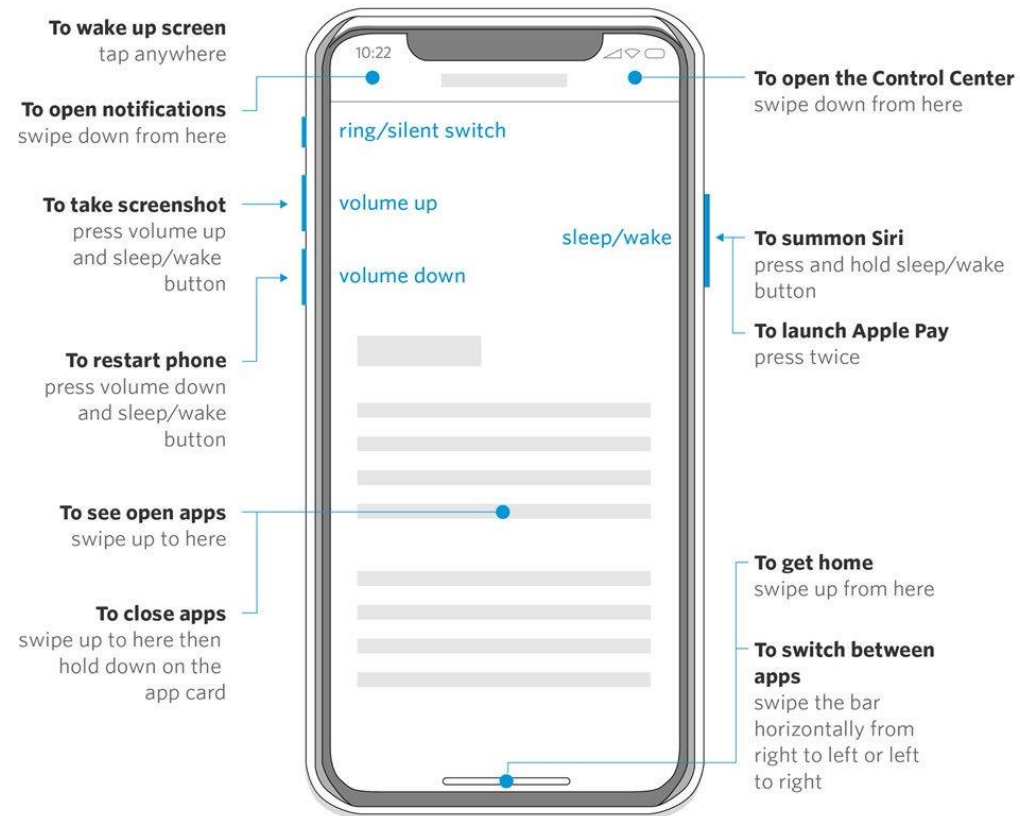
- Charges on contact
- Qi wireless charging standard
- Small and compact
- Charger cost \$9.00-\$60.00
- Note some cases prevent induction from working
- Warning: iPhone X can slip down from a slanted surface or if someone bumps the table



iPhone X Manual for Gestures

The iPhone X Manual Apple Forgot

This all-new iPhone brings all-new gestures. Until you get familiar with them all, you may want to keep this little guide handy.



iPhone X and Apps

Most Apps work on iPhone X

Except:

- Older 32 bit apps do not work.
- Some Apps that use touch id require you to enter a password
 - This will change to Face ID over time
- Some Apps to not make use of the full screen
 - This will change over time as developers improve the apps for iPhone X



iPhone X and Consumer Reports

The iPhone X did not do as well as iPhone 8 and Samsung Galaxy in drop tests

- “We tumbled three samples of the iPhone X.
 - The first was fine after 50 drops, but the glass on the back was significantly cracked after 100,” Consumer Reports wrote.
 - “The other two phones ended up with malfunctioning displays after 50 drops”



One should be careful not to drop the phone

One should get a case for the iPhone X, so it can withstand a drop

Apple iOS 11 Operating System

New Control Center screen with more objects

Emergency SOS

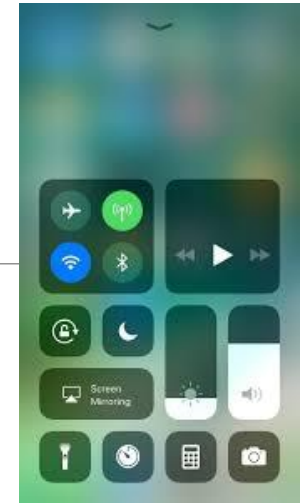
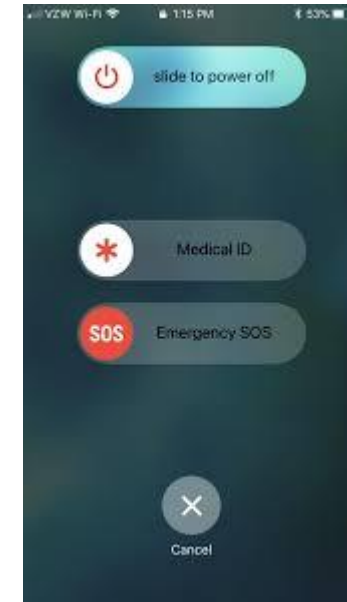
- Press power button 5 times

Screenshot editor

Do Not Disturb for Driving

Smart Invert Colors for Night

Apple Notes has a Scanner and Tables



Apple iOS 11 Operating System (cont.)

iCloud Keychain for on keyboard for quick enter passwords

More Photo Filters

Photos and Videos take less space

Support for new iPhone 8 and iPhone X

Type as well as talk to Siri

Apple Pay via Text iMessage or Siri to another Apple customer



iOS 11

Augmented Reality (AR)

ARkit - Part of iOS 11

- Best used with fast processor
- A few apps are now available

Apps

- Ikea Place
 - [https://cdn.vox-cdn.com/thumbor/YR4viM9U7aDzekxNyDdcs5KYe1Q=/0x0:692x390/920x0/filters:focal\(0x0:692x390\):gifv\(\):no_upscale\(\)/cdn.vox-cdn.com/uploads/chorus_asset/file/9274711/ikea.gif](https://cdn.vox-cdn.com/thumbor/YR4viM9U7aDzekxNyDdcs5KYe1Q=/0x0:692x390/920x0/filters:focal(0x0:692x390):gifv():no_upscale()/cdn.vox-cdn.com/uploads/chorus_asset/file/9274711/ikea.gif)
- Tap Measure Kit
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iPhone X Cost

Base price for unlocked phone

- \$999 for 64GB version
- \$1,149 for 256GB version
- Apple Care+ for 2 years of service, \$199

Most carriers

- Have a \$300 discount
- Have an initial charge and/or a monthly cost \$30-\$47 for 24 months
- In addition, some have a monthly refund (\$15-\$20 for 24 months) for your older iPhone 5 or 6



iPhone X Demonstration

