Apple TV

For
Ocala Mac User Group
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Agenda (Con't.)

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What is the Apple TV?

- It is a digital media receiver designed to play content from various commercial providers, or any Mac OS or Windows computer running iTunes on a HD widescreen TV.

- Current version is the 3rd generation and was released in 2012.

A Little History

- First released in September 2006, known as an iTV

- The second generation came out in January 2010

- Third generation released in March 2012; runs a single-core A5 processor and supports 1080P

Features

- Apple TV allows users to use an HDTV to view photos, play music, and watch video from Internet services or a local network.

- The first generation had a Hard Drive so it could store content, but second and third do not have a Hard Drive so they can only stream media content.

Connectivity

- Inputs and Outputs Ports

- Cables

- HDMI

- Audio is supported through the optical and HDMI ports

- Ethernet and Wi-Fi Network Connections

- Power

Local Sources

- Sync or stream content for a computer running iTunes

- Local to a home network (LAN) to share content – Home Sharing

- Content from up to five computers

- Home Sharing must be turned-on using Apple ID

AirPlay

- AirPlay is an Apple technology that allows an AirPort enabled device with iTunes to stream content to remote receivers, such as Apple TV

- The display of the Apple TV can be mirrored to a second display

Remote Control

- The Apple TV can be controlled by many infrared remote controls or the included Apple remote

- To prevent interference the Apple remote is addressable

- The Apple Wireless Keyboard can also be used

- Apple also has a free iOS app that allow other iOS devices to control the Apple TV via Wi-Fi

Software

- First generation OS was a modified version of Mac OS

- Starting with second generation, a modified version of iOS was used

Technical Specifications

- Processor 1GHz A4 and A5 processor

- Graphics Nvidia and Apple on-board

- Memory 256 or 512MB DDR2 SDRAM

- Storage 8GB of NAND Flash

- Connectivity USB2, infrared

- Network Wi-Fi 802.11n 10/100

- Output 720P & 1080P

Modification and Hacks

- At your own risk

Apple TV (1st, 2nd, & 3rd G.)

- The 1st Generation Apple TV was thoroughly hacked, turned it in a computer

- The 2nd Generation Apple TV was an iOS device, so iOS hacks generally worked, again, hackers turned it into practically what ever they wanted

- The 3rd Generation Apple TV was not publicly hacked until recently

- When hacking the Apple TV, remember your warranty will probably be voided

Limitations

- Does not contain a TV tuner nor a personal video recorder

- Numerous wish list features slowly being added

- But like other Apple products, they are works in progress so it will continue to evolve

Sales

- Sales
  - 1st Generation 6.6M
  - 2nd Generation 1.4M
  - 3rd Generation 6.0M

Q and A

Demos

Apple TV Connections

AirPlay and Mirroring

Home Sharing

Streaming Video and Music