

Managing our Home Technology

“How to stay busy during a virus”

- **Discussion Topics**

- Desktop PC remodel
- Internet component refresh
- Home Wi-Fi Assessment
- Influence of “smart tv” – how to be ready!
- Importance of understanding your *Invisible Asset*

Home Communication Support – 2021 +

- Key Topics
 - The Past – Present – Future of Connecting
 - Desktop PC migration to
 - Tablets (Ipads / Androids)
 - Phones (simple to smart – Iphone)
 - TV's (simple to smart – 32" Std to + 65")
 - Streaming services / Blue Tooth connections
 - Adding apps
 - Requires strong wireless connection support

Upgrade Strategy!

- Hope for the best or learn how to replace!
 - **Replace / Upgrade** / Learn / Adjust / Research
 - Upgrade Desktop **Monitor** (21 to 24")
 - **Evaluate** Desktop Unit (HD/Chip/Graphics Cd/Memory)
 - Replace **Modem / Router** (Altice)
 - Extender vs Mesh (what's the difference?)
 - **Smart TV** (PC club)
 - Value of **Speedtest** (PC club)
 - Identifies the invisible communication issue
 - Where is the poor signal / what device is impacted?
 - Impact of Covid19 > **Zoom / Facetime**

What is our invisible problem?

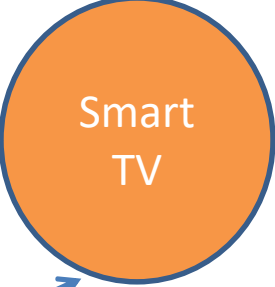
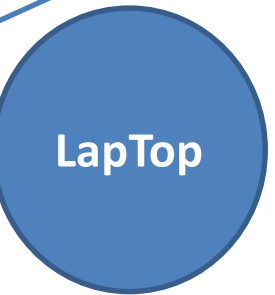
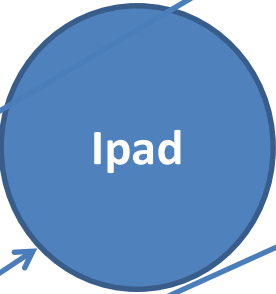
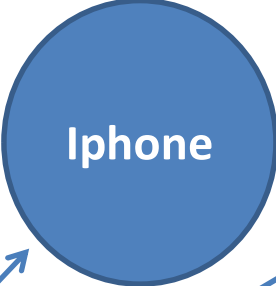
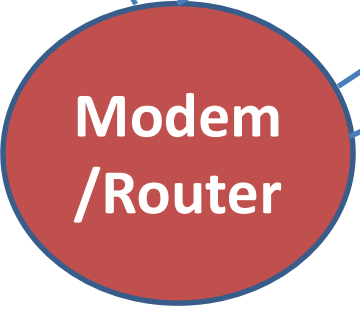
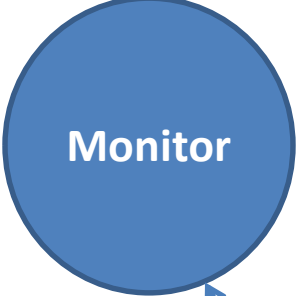
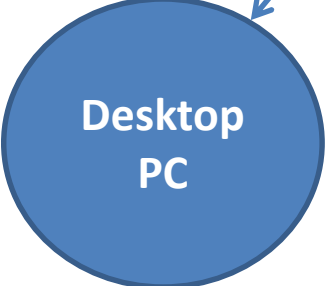
- Your home Wi-Fi signal!

- Supports & enhances our satisfaction with all aspects of communication activity
- Grows in importance each year
- What can I do to learn how to evaluate
- Solution: **SPEEDTEST APP**

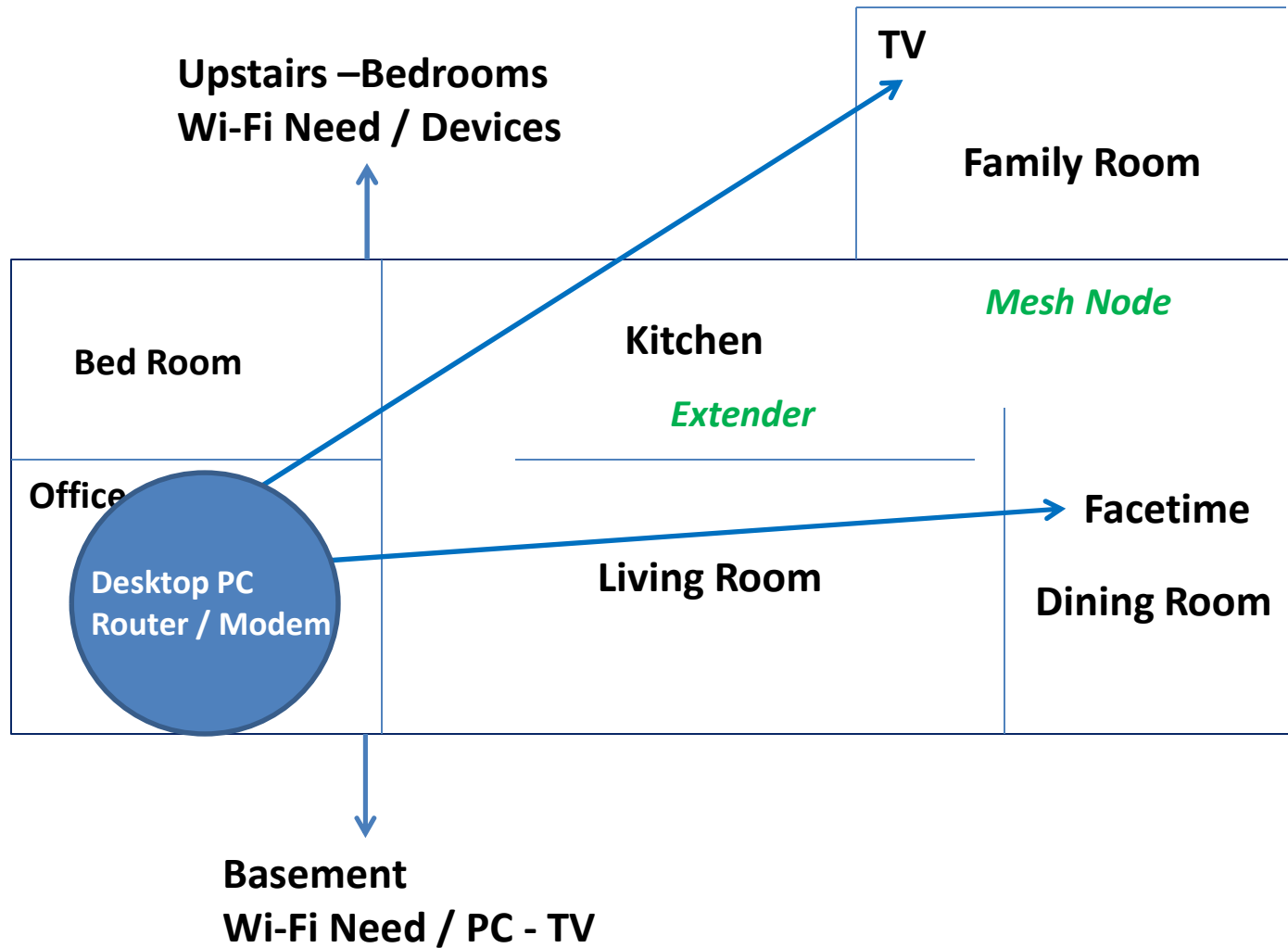
Wi-Fi Communications Plan & Support

The Past

2021 > Future



My Wi-Fi Problem



Desktop PC Remodel

- Brand = Acer / Installed **Dec. 2012** (8 yrs)
- Components evaluated / changed
 - **Monitor** (upgrade from 21” to 24” / Dell \$ 258 May)
 - Eliminated **desk speakers**/ major quality gain
 - **Hard drive** assessment (PCMac Technology)
 - Installed Nexigo 1080 FHD **Webcam** (Zoom need)
 - 60 fps (excellent pic quality) / wide-angle (\$ 63)
 - *(Issue: Unable to create background when on Zoom call / research solution)*

Internet / Wi-fi refresh

- Starting point - original modem / router (+ 7 Yrs)
- Provider: Optimum (Altice)
 - Visit to Oakland & replaced Modem & Router
- Determined Wi-Fi signal poor in most area's
 - 200 mps monthly plan
- Replaced router (Nov.2020)
 - TP-Link 1750 (\$66) & Netgear Extender (\$54)
- Dec. – extensive “speed testing” of multiple devices in multiple locations @ different times

Mesh Network (Router + 2 Nodes)



Family Room / Office



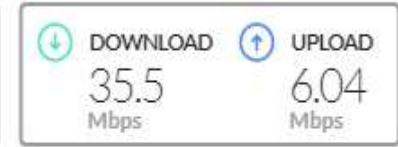
Upstairs Bedroom



Activity Room



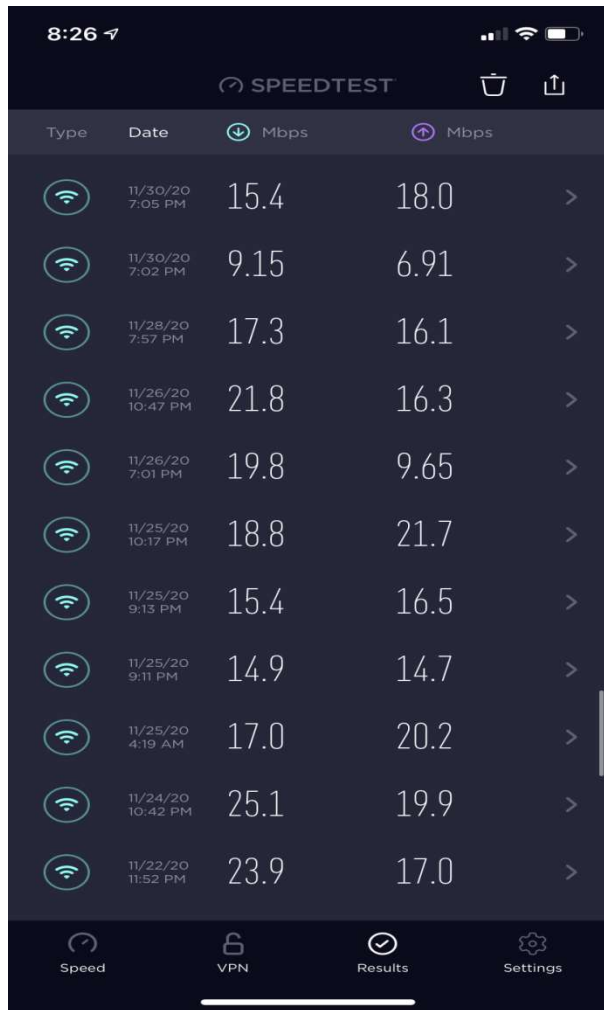
Family Room



Speedtest shows the Mbps performance – Down / Up

Home Wi-Fi Assessment & Upgrade

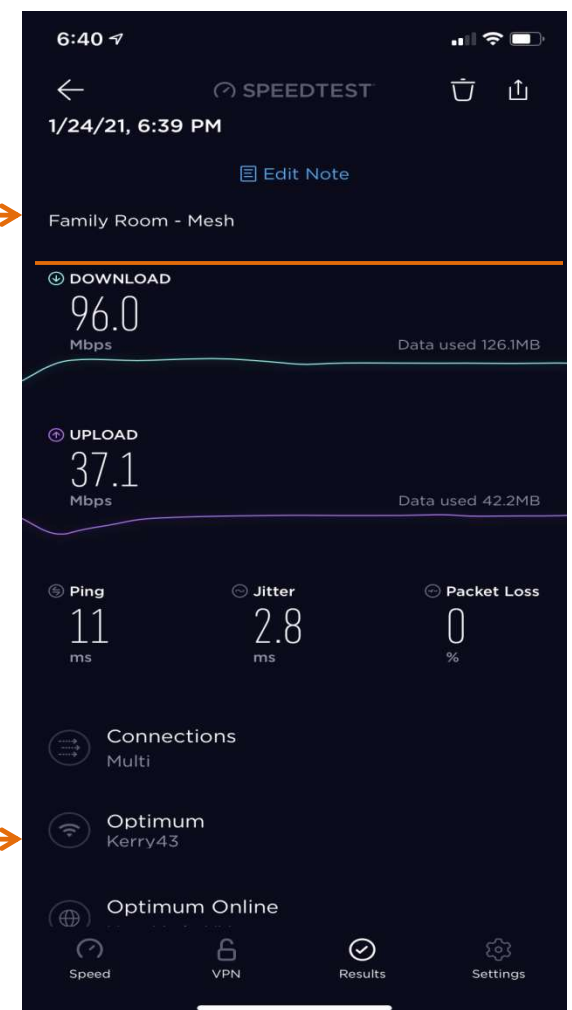
- Speedtest
 - What can you learn / what did I learn?



Original Router – Very Poor Fam. Rm



TP-Link / Better –Erratic F.Rm



Mesh Router – Excellent Everywhere

Wi-Fi Router Transition

2012 – 2020 / Optimum



Nov. 2020 / Tp-Link



Jan. 2021 / Amplifi



AmpliFi Mesh Wi-Fi System

Ubiquiti

Ubiquiti - AmpliFi Dual-Band Mesh Wi-Fi System - White

Model: AFI-HD-US SKU: 6382553

★★★★★ 4.6 (314 Reviews) | 6 Expert Reviews | 21 Answered Questions



Best Buy \$ 350 (2 Satellite)
My order = \$ 284 (router + 1 satellite) @ B&H Photo (NYC) – install Jan18
Prior replace – router + extender = \$ 120

Smart TV

- **PC Club – introduced topic / products and solutions**
 - Resulted in learning a bit but not understanding!
 - What really is streaming?
 - Why does my TV need Blue Tooth or wireless support?
 - How do I get help / what does it cost / look like?
 - Who can I find to help me?
 - How would I learn that my internet Wi-Fi is the most important communication resource!
 - **Why** – it connects everything in my home!
 - Introduced to Fire Stick / Net Flex / Disney + (Mandalorian)
 - Family Facetime calls without static / screen freeze / lost signal

Conclusions

- Wi-Fi Signal Strength is a high priority in the present & more important in the future
- Video & audio communications is a growing standard
- Equipment synergy & compatibility
- Create a replacement & education strategy

WiFi Extender vs Mesh Network



WiFi Extender – single unit to broadcast existing signal to area with little to no signal
- They are “add-on” to existing network

Mesh system – replaces your network including router with nodes or satellites. Your wireless device connects to closest node. Can be managed via smart phone / create guest network

- + Whole –home coverage**
- + Seamless connection / goodbye deadspots**
- + Aesthetic design / easy to add nodes**
- + Achieve your internet connection \$/ Mbps**
- Pricier than extenders**



The Past

- Stability in home technology utilization
- Modest growth in leisure / entertainment
 - Replace the TV
 - Buy the desktop / connect with Internet
 - Mobile phones (single purpose – call / talk)
 - Laptops (start of data mobility)
 - Long usage life / slow pace of upgrade

How to “See” the problem?

- Office (Location of modem/router)
- **Speed target (200 Mbps Down/ 25 Up)**
- **Speed results – Oct/Nov** (old router / extender)
 - ❖ Mbps (Down) 48 / 110 / 180 / 143 / 5
- **Speed results – Nov/Jan** (new router/extender)
 - ❖ Office Mbps (Down) 9 / 225 / 190 / 12 / 5 / 2
 - ❖ Extender (Down) 43 / 16 / 23 / 19 / 10
- **Speed results – Jan/Mar** (Mesh Router)
 - ❖ Office Mbps (Down) 230 /
 - ❖ Family Rm (Down) 135 / 131 / 96
 - ❖ Kitchen / Upstair BR (Down) 159 / 207
 - ❖ Dining Room – Zero Screen freeze on Facetime calls

The Present & Future

- Product replacement strategy (do you have one?)
 - What is it ? (my investment was old / outdated)
 - Do I need it? (Multiple devices - require new tech support)
 - What's the benefit
 - Accomplish tasks in new way
 - Communicate on the go
 - Migrating choices – phone / internet / cell
 - Integrated into most routine tasks / activities
 - How do I keep up / do I need to ?
 - Some items to evaluate / How to adjust
 - Change during past 12-15 months
 - Do you communicate differently now?
 - Is Zoom / Facetime familiar experiences?
 - Have you had a video medical experience? (home support)
 - Do you sit in a car waiting for access to the doctor? (mobile support)