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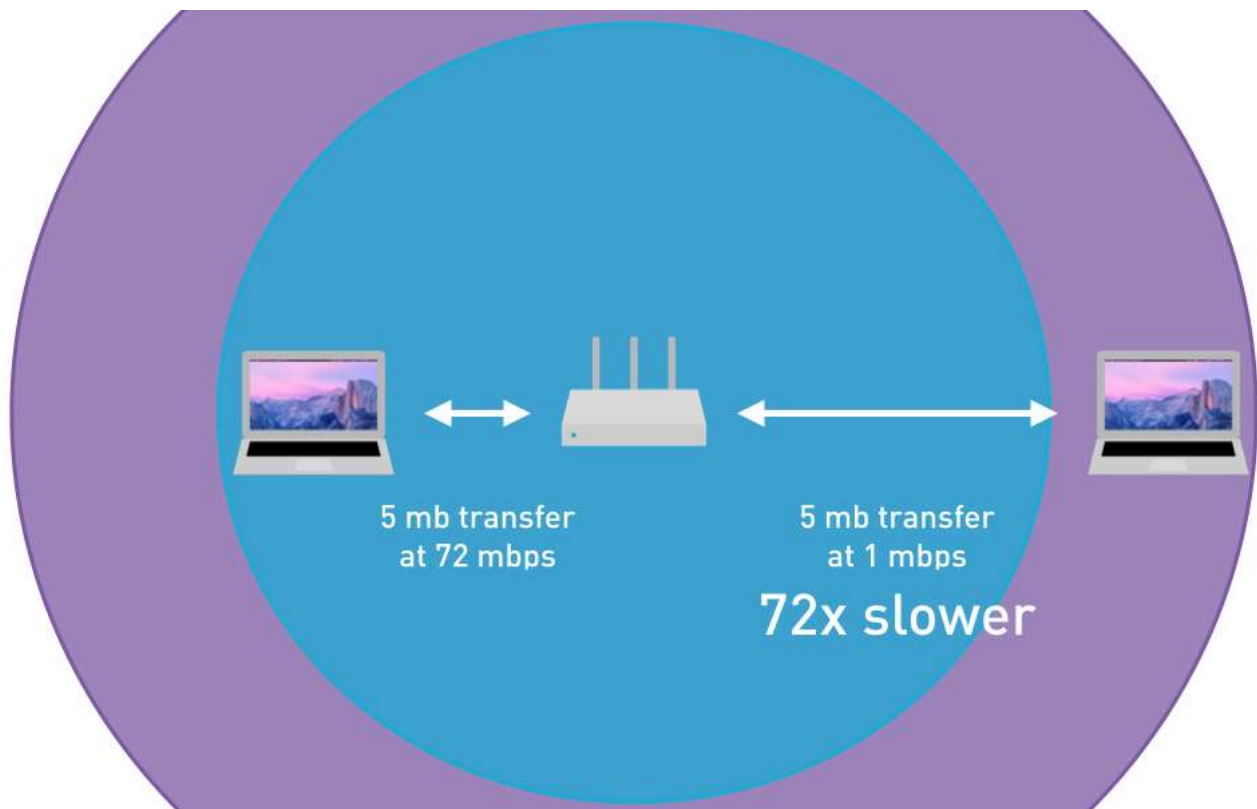
## Access Points Support Legacy Data Rates

inSSIDer ([//metageek.link/inssider-product-page](https://metageek.link/inssider-product-page)) will give a Configuration Warning if access points on your network support legacy (802.11b) data rates.

On each WiFi channel, only one device can talk at a time. Devices talking at slower data rates will take longer to transmit data than devices talking at faster data rates.

### Advanced WiFi Lessons

1. WiFi Security (</training/resources/wireless-security-basics.html>)
2. Designing a Dual-Band Network (</training/resources/design-dual-band-wifi.html>)
3. Legacy Data Rates (</training/resources/access-points-support-legacy.html>)
4. Zigbee & WiFi (</training/resources/zigbee-wifi-coexistence.html>)
5. Adjacent and Co-Channel Interference (</training/resources/adjacent-channel-congestion.html>)
6. WiFi and non-WiFi Interference Examples (</training/resources/WiFi-and-non-WiFi-Interference.html>)
7. Man-in-the-Middle Attacks (</training/resources/man-in-the-middle-attack.html>)



Allowing devices to talk at slower, legacy data rates can increase WiFi overhead by up to 40%.

### Recommended Action

Disable legacy 802.11b data rates (1, 2, 5.5, and 11 mbps). Disabling slower data rates will force all devices to either talk faster, or disassociate from the network, which will increase overall network performance.



## General Warnings

1. When legacy data rates are disabled, the coverage area will be slightly reduced (distant clients won't be able to fall back to slower but more reliable data rates)
2. Disabling legacy data rates will break compatibility for 802.11b devices (rarely an issue)

## SOHO (Small Office/Home Office) Warnings

1. Most SOHO (small office/home office) routers won't allow you to disable legacy data rates
2. Most SOHO rates will allow you to "disable 802.11b", but usually the setting is ambiguous or doesn't really change anything

## Next Lesson...

Zigbee and WiFi Co-Existence ([zigbee-wifi-coexistence.html](http://zigbee-wifi-coexistence.html))



([products/wi-spy-air/](http://products/wi-spy-air/))

## 🔍 Looking for Mobile WiFi Tools?

Wi-Spy Air is the fast, portable and accurate way to validate and troubleshoot WiFi environments. Level up your iOS or Android device with Wi-Spy Air's onboard WiFi chipset, transforming it into a professional WiFi troubleshooting tool that's always there when you need it.

[Learn More \(/products/wi-spy-air/\)](/products/wi-spy-air/)

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[TamoGraph Site Survey \(/products/map-plan/tamograph\)](/products/map-plan/tamograph/)

[inSSIDer & MetaGeek Plus \(//metageek.link/inssider-product-page\)](//metageek.link/inssider-product-page)

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