

Q: Why my smart phone fails to connect to Edimax Range Extender while other wireless computers are fine?

Most handheld wireless devices only work with 20Mhz.

Here is from <http://support.apple.com/kb/TS1398>

#### Additional Information

If you are using a Wi-Fi router at home, refer to your user manual/documentation to assist you with some of these suggestions.

- Check the manufacturer's website for firmware or software updates for your Wi-Fi router.
- Check the wireless security option of your Wi-Fi router:
  - If you are using WEP security and have multiple WEP keys on your Wi-Fi router, try configuring your Wi-Fi router to use only a single WEP key in key index 1.
  - Consider using WPA or WPA2 instead. WPA and WPA2 encryption protocols are newer, more effective security options for wireless networks than the older WEP protocol.
- Temporarily **disable** wireless encryption or security on the Wi-Fi router to rule out encryption issues.
- **Disable 40MHz in the 2.4GHz settings on the Wi-Fi router.** Mac computers, iPhone, iPad, and iPod touch **do not support this mode.** Disabling it may reduce interference issues.
- Supported Wi-Fi networks vary by iPhone, iPad, iPod touch model (Example: Does my device support 802.11n?). Refer to [Tech Specs](#) for detailed information on which standards your device supports.

Find additional information on [configuring your Wi-Fi router for use with iOS devices](#).

**Note:** Some older third-party routers may not be compatible with all iOS devices, even after updating to the latest firmware. If your iOS devices can successfully connect to other Wi-Fi networks, contact your router's manufacturer to ensure your router is compatible with your iOS device.

**Important:** Information about products not manufactured by Apple is provided for information purposes only and does not constitute Apple's recommendation or endorsement. Please [contact the vendor](#) for additional information.

Solution:

Log into the IP address web page of Edimax extender and change the Channel Width to 20Mhz. You may refer this page about [how to login to Edimax extender](#).

The screenshot shows the Edimax extender web interface. On the left is a navigation menu with the following items: Home, Basic Settings, WPS Setting, **Advanced Settings** (circled in red), Security, MAC Filtering, System Utility, Configuration Tool, Upgrade, and Reset. The main content area is titled "Advanced Settings" and includes a warning: "These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Broadband router." Below the warning is a table of settings:

Fragment Threshold	2346	(256-2346)
RTS Threshold	2347	(0-2347)
Beacon Interval	100	(20- 1024 ms)
DTIM Period	3	(1-10)
Data Rate	Auto	
N Data Rate	Auto	
Channel Width	<input checked="" type="radio"/> Auto 20/40 MHZ	<input checked="" type="radio"/> 20 MHZ
Preamble Type	<input checked="" type="radio"/> Short Preamble	<input type="radio"/> Long Preamble
Broadcast ESSID	<input checked="" type="radio"/> Enable	<input type="radio"/> Disable
WMM	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
CTS Protect	<input checked="" type="radio"/> Auto	<input type="radio"/> Always <input type="radio"/> None
TX Power	100 %	
Turbo Mode	<input checked="" type="radio"/> Enable	<input checked="" type="radio"/> Disable