Turn your computer into a WiFi hotspot

In this paper we suggest easy to use solutions for how you can use an Apple or Windows 7/8 computer as a WiFi hotspot. The technique can be useful as a fall back strategy in situations where you do not have full control over the existing network(s).

The range will be shorter than with a router so some tables might not communicate. You can overcome this by bringing the the tablets closer when they log on, but the best everyday solution is to use your own router (with antenna) if there is no suitable network where you play.

A. How to turn your Windows 7/8 computer into a WiFi hotspot

(There are solutions for older versions of Windows, but these are more cumbersome.)

- 1. Download the Virtual Router program
- 2. Install the program by double clicking VirtualRouterInstaller.msi



3. Start Virtual Router by double clicking

4. Enter a suitable name of your network to be, e.g "BridgeTab", and a password; then click "Start Virtual Router".

M Virtu	al Router Manager v1.0	- 🗆 ×
M Virtual Router	Manager v1.0	
Settings		
Network Name (SSID):	BridgeTab	
Password:	testtest	
Shared Connection:	None	• •
Sta	rt Virtual Router	
Peers Connected (1): ac:22:0b:43:e9:a2 Host Name could not be found. IP Address could not be found.		*
		•

. 5. Connect each and all of your Bridgetabs (tabletops) to your "BridgeTab" WiFi hotspot.

B. How to turn your Mac into a WiFi hotspot

- 1. Go to Preferences (under the Apple) Finder File Edit View Go About This Mac 2. Click on "Network", select "Sharing" and highlight "Internet Software Update.. sharing". Then select: App Store... System Preferences. 2.1 From Ethernet 2.2 To Airport Sharing Show All Q 4 -Computer Name: Per Jannersten's MacBook Pro Computers on your local network can access your computer at: Per-Edit... Jannerstens-MacBook-Pro.local On Service Internet Sharing: Off DVD or CD Sharing Internet Sharing allows other computers to share your connection to the Screen Sharing Internet. \checkmark File Sharing Ethernet Share your connection from Printer Sharing Scanner Sharing To computers using: On Ports Web Sharing **Bluetooth PAN** Remote Login Remote Management 2.2 AirPort **Remote Apple Events** Ethernet Adaptor (en2) Internet Sharing Bluetooth Sharing AirPort Options .. 3. We suggest (optional) that you call Network Name: Bridgetab your WiFi network "BridgeTab" to make it obvious what to do at the table end. Channel: Automatic + Enable encryption (using WEP) Password: Confirm Password: WEP Key Length: 40-bit (more compatible) + If you plan to share your Internet connection with non-Apple computers, use a 5 character password for a 40-bit WEP key,
- 4. Tick "Internet sharing" to start WiFi.
- 5. Select WiFi network "BridgeTab" on the tablets.

	and a 13 character password for a 128-bit WEP key.
	Are you sure you want to turn on Internet sharing?
Trank I	If your computer is connected to a network, turning on Internet sharing may affect the network settings of other computers and disrupt the network. Contact your system administrator before turning on Internet sharing.
	Start Cancel

Last revised in October 2013