Networking

In this paper we advise:

i. How to use a Windows 7/8 (A.) or Apple computer (B.) as a WiFi hotspot.

ii. How to network several computers (Part II) running the same event (scored across the field).

Note that the range will be shorter with a computer as hotspot than with a router. You can bring the tablets that are out of range closer to the PC when they log on, or use several PCs or (better) source a WiFi router e.g. Zyxel NBG418N that is inexpensive and easy to install.

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	"BridgeTa	b",
and a password; then click "Start Virtual Router".										

Jill Virtu	al Router Manager v1.0 – 🗖 🗙									
湖 Virtual Router Manager v1.0										
Settings										
Network Name (SSID):	BridgeTab									
Password:	testtest									
Shared Connection:	None • •									
Start 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 Share your connection from Ethernet 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 1 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) \$
- 4. Tick "Internet sharing" to start WiFi.
- 5. Select WiFi network "BridgeTab" on the tablets.

Are you sure you want to turn on Internet sharing?
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

If you plan to share your Internet connection with non-Apple computers, use a 5 character password for a 40-bit WEP key, and a 13 character password for a 128-bit WEP key.

Cancel

OK

PART II

In this part we describe how you can network computers when there is a large event playing in several rooms; and also how BridgeTab can be used with other eScoring hardware like Bridgemate, BridgePad and BridgeScorer.

Networking several computers

The layout described below can be used to network several computers, of which one will be master. The master PC will run the scoring program making the comparisons across the entire field. The other PCs (the two to the right in the illustration below) are slaves in the system.



*Each type of tabletop hardware requires its own dedicated hardware

THE MASTER

The scoring software and the BridgeScorer Control are started as usual on the master PC.

THE SLAVES

The slave(s) can be connected to the master PC as soon as the scoring program has created a database for the event.

Scoring

Start scoring

- 1. Select "Networking" via BOS/SCORING
- 2. Click "Browse for other database" in the dialog that appears:





	3 My Computer Eile Edit View Favorites Iools				
3. Click "My Network Places"	System Tasks Image: Comparison Image: Wiew system information Image: Comparison Image: Change a setting Image: Change a setting				
4. Locate the current (just created) database on the Master PC. The default path is: C:\BOS\Events\ <eventname>\Data\<eventname.bws></eventname.bws></eventname>	Other Places 🔕				
Open	<u>? 🔀</u>				
Look in: 🗀 DATA 🗾 🗢 🔁	-* == *				
Name 🔺 🛛 Type 🔹 Date Modified					
Text D 2010-08-31 10:20					
2010-08-31demo BWS File 2010-08-31 11:24					
E 25-7 Text D 2010-08-31 11:24					
BMLog2010-8-31 Text D 2010-08-31 10:20					
File name: 2010-08-31demo	<u>Open</u>				

5. Click "Launch BridgeScorer" when you have verified that the "Selected database" is the desired one.



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