

Remote Scoring

Smartphone/Tablet Setup and Operation



Revision: R3

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1 Introduction

Using a Smartphone or tablet, such as an iPad or Android smartphone, allows the scorer to leave the scorer's box and join the other supporters while operating the scoreboard from anywhere around the ground. The Scorer is no longer isolated in the scorer's box.

Apple iPhones and iPads, Android and Windows Smartphones and Tablets can be set up to control the Scoreboard Scoring software remotely.

The Smartphone/Tablet is connected to the Main Control Laptop via a Wifi network. The Smartphone/Tablet and the Control Laptop must be within range of the Wifi Network for the connection to work.



Both the Smartphone/Tablet and the Control Laptop can control the scoreboard simultaneously. To ensure proper operation of the Scoreboard at all times, the Main Scorer Laptop will always remain active even if the Wifi network or the Smartphone/Tablet fails. For example, if the iPad's battery goes flat, the scorer can always return to the Main Control Laptop and continue scoring.

Internet access is not required - data transfers are all made internally via the local Wifi network only.

For security, a Smartphone/Tablet must be registered with the Control Laptop before it can be used to score. Once it is registered, connections at other times can be made easily.

A number of methods can be used for remote control of the scoreboard. This document details the standard VNC (Virtual Network Control) method of control. Contact NFComms for other methods of Scoreboard Remote Control.

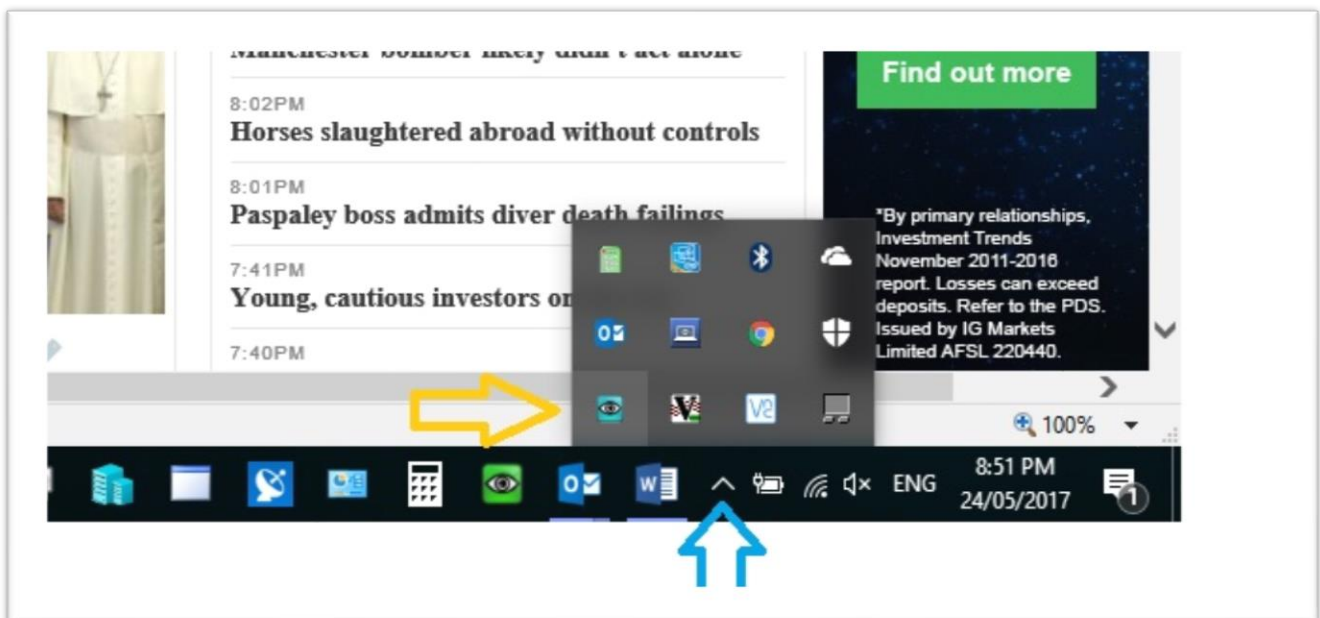
2 Setting up a Smartphone or Tablet

The following procedure can be used to setup any Smartphone/Tablet device for Remote Control of the scoreboard. Apple, Android and Microsoft devices can be used to remotely control the scoreboard.

A Wifi network is required to connect the Smartphone/Tablet to the Scorer Laptop. Both the Scoring Laptop and the Tablet/Smartphone need to be connected to the same network. Internet access is not required.

2.1 Remote Scoring Control setup up for Android

- a. Ensure that the VNC server app is installed on the Scoring Laptop – contact NFcomms.
- b. On the Android Tablet or SmartPhone, go to the Play Store and search for **Mocha VNC**. Then download, install and run. (You can buy the Pro version, but the lite version is OK. Other VNC apps are also available, eg **bVNC**)
- c. **Mocha VNC**: Press the “Configure” tab and then the + button to create a new connection.
- d. Search for the Scorer Laptop by pressing “Lookup”, or type in the IP address by hovering over the UltraVNC icon on the Scorer Laptop: click on ^ (blue arrow) then hover over the UltraVNC Icon (orange arrow). The IP address has 4 numbers and looks something like 192.168.1.4

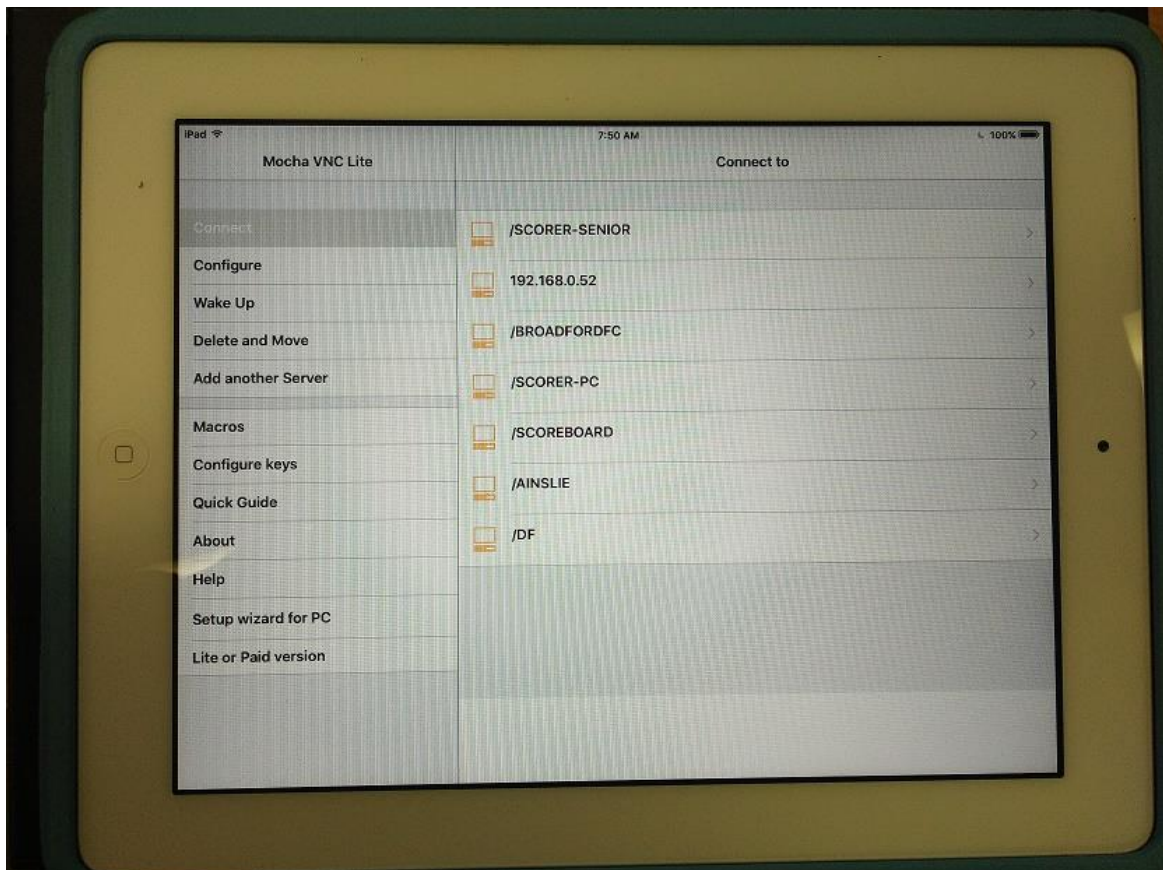


- e. Add the VNC Password. (Contact the network administrator or NFcomms for details).
- f. Press “Save”, then the < button at the top, then to connect to the Scoring Laptop, press **Connect**.

2.2 Remote Scoring Control setup up for Apple

Use this procedure to setup an Apple iPad or iPhone to remotely control the scoreboard.

- a. Ensure that the VNC server app is installed on the Main Scorer Laptop – contact NFcomms.
- b. On the iPad or iPhone, go to the App Store and search for **Mocha VNC**. Then download, install and run. The Lite version works OK.
- c. Select “**Add another Server**”. Click the “**i**” at the end of the “Address” field and select the Scorer Laptop that should appear on the network.
- d. Keep “**Server Port**” at 5900.
- e. Turn off “**Mac OS X Sign on**”
- f. Type in the “**VNC Password**” of the Scorer Laptop’s remote server (this is different to the Laptop’s password). Contact NFcomms for the password and then store it in a safe place.
- g. Leave all other fields as they are and select “**Connect**” and the Scorer Laptop
- h. For future connections, select “Connect” and double click on the Scorer Laptop icon.



3 Operation

3.1 Connect to the Scorer Laptop

- a. The Scoreboard Scorer Laptop must be operational before connecting the Smartphone/Tablet. Start SAM on the Scorer Laptop.
- b. Ensure that both the Smartphone/Tablet AND the Scorer Laptop are both connected to the local Wi-Fi network.
- c. On the Smartphone/Tablet, run the Remote Scoring App.



3.2 Control the Scoreboard Scoring software from Smartphone/Tablet

The SAM software that is running on the Main Scorer Laptop is now displayed on the Smartphone/Tablet.

Operate the Scoreboard in the same way as it is operated from the Main Scorer Laptop. Both devices can control the scoreboard simultaneously.

The Smartphone/Tablet can use the device's touch screen.

More than one Smartphone/Tablet can operate the scoreboard at the same time.

The Scorer Laptop must be operational at all times because its screen output is sent to the scoreboard. The Smartphone/Tablet does not control the scoreboard directly but controls the Scoring Laptop.