Mobile Phone Interface for Handbell Manager

Phone Handbell Interface for Handbell Manager v0.2(c) R H Johnston, 22.4.2020
ringprog@rhj.org.

This Interface allows mobile phones to be used in place of the ActionXL controllers.

The program does not require installation and can be run from anywhere, **but the two .dll files vJoyInterface.dll and vJoyInterfaceWrap.dll MUST be in the same folder**.

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It works in conjunction with a virtual joystick emulator vJoy, which runs on Win 7 upwards

Download it from here http://vjoystick.sourceforge.net/site/index.php/download-a-install/download

Once installed, open the "Configure vJoy" link

A window comes up with tiny tick buttons across the top with hard to see numbers in them.

It will say vJoy Device: 1

You want X Y and Z ticked. All other buttons unticked and Buttons 0

Tick the next tab right on second line of little ticks at the top This is vJoy Device: 2

click AddDevice
Same configuration as device 1

Make sure box bottom left is ticked (Enable vJoy)   [if you need to turn vJoy off (because you have ActionXL controllers you want to use this is where you do it]

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The setup of the mobile phone is the same as that for the interface for mobile phones for Ringing Room

Install HyperIMU from Google Play

Open it, and Tap the 3bars top left,

select 'sensor list',

turn on one that is marked as being an accelerometer.

Select Settings,
    Stream Protocol UDP, Sampling rate 15 (ignore the warning),
    Server IP address - that of your computer on network,- a list will be displayed of possible addresses to try, but probably only one will work.
    Server port number 5555;

Header,
    turn on Timestamp.

Start HyperIMU, swing & stop the phone like a handbell. Hold it so the narrow top side of phone is where the clapper would be with the screen facing away from palms, so two phones face each other

Start the interface program. It will report it has started feeding. It will pick up the data from the phones.

Then open Handbell Manger and check the "bells" are present, and use the monitor window to check what is being received.

Let me know if there are any problems.

R H Johnston 20.4.2020 ringprog@rhj.org.uk
Other Ringing Training Materials