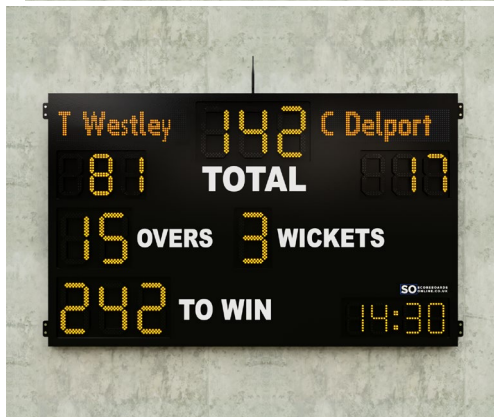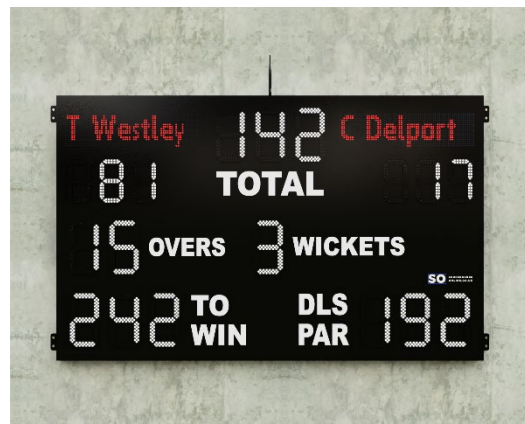# Installation & User Manual

15, 16, 20, 22, 23, 28 & 29 Digit Cricket Scoreboards

Fixed & Mobile – 12v & 230v

March 2025

Installation

Fixed Boards

Wall Mounting:

The scoreboard should only be mounted against a flat vertical wall or surface. The surface should sound and capable of accepting the weight of the board. The board should ideally be placed in a sheltered area.

The board should be mounted utilising 4 angle brackets (not supplied).

Care should be taken that any fixings do not protrude more than 12mm into the enclosure or damage to internal parts may occur. Only fit brackets to the board by hand (no power tools) and only fit in the recognised positions.

There are vents to the rear and the underside of the board. These allow air to circulate and any moisture to escape. Do not block any of the vents.
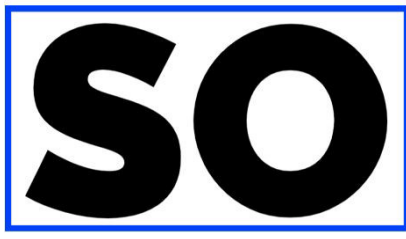
Post Mounting:

If mounting to posts, then the scoreboard should be factory fitted with full width rails on the rear of the board. These in turn need to be securely fastened to vertical posts suitably spaced apart.

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Mobile Boards:

Siting & Moving:

When moving the scoreboard a minimum of two people should be used, one person should be on each handle at all times.

If the day is particularly windy, extreme care should be taken when moving the board. Thought must be given if it is safe to move the board on a windy day. Scoreboards Online accept no responsibility should a scoreboard topple over during moving.

Care should be taken when positioning the mobile scoreboard as the unit can be affected by wind. If used on a windy day, the board MUST be secured to a structure capable of holding the board upright. Scoreboards Online accept no responsibility should a scoreboard not be properly tethered.

The scoreboard should always be positioned on a level flat surface with all four wheels touching the ground.

If your scoreboard is fitted with pneumatic tyres (10" digit boards and above), tyres should always be inflated to the correct pressure – 1.5 bar (22psi).

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Electrical Connection

Check to see whether your device requires a 230v or a 12v connection. It will be marked on the scoreboard. If you are unsure, please contact Scoreboards Online before connecting to a power supply.

Care must be taken that the cable is not a trip hazard and no-one should be allowed to stand on the cable.

230v connection

This should only be undertaken by a qualified electrician.

This device must be earthed.

The device should be connected to a fused and switched 13 amp electrical spur/socket fitted with a 5 amp fuse and protected by an RCBO device. This switch needs to be accessible as the scoreboard needs to be switched off here when not in use.

12v connection

The unit needs to be connected to a suitable 12v connection. The correct polarity must be followed at all times. If no fuse is present, the device should be protected by a 7.5A fuse. The device should be connected to a suitable switch. This switch needs to be accessible as the scoreboard needs to be switched off here when not in use.

12v Battery

If Scoreboards online have provided you with a 12v battery it will be in a case and be fitted with a switch and 10A fuse. If you have a mobile system, it will be fitted to the trolley. The scoreboard is switched on and off from here.

See the section on 12v Battery Care for more important details regarding the battery, its use and operation.

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Operation

Charging the controller

The charger is supplied with a built in rechargeable lithium battery. This should not be accessed or replaced by the user.
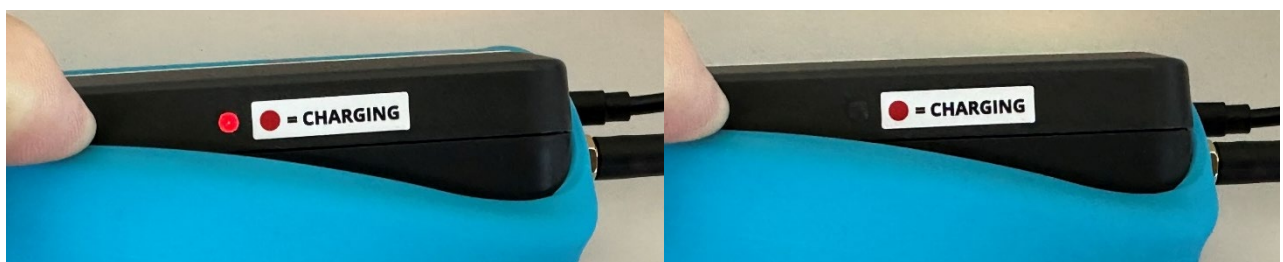
Ensure the controller is fully charged before use using the charger provided and the micro USB socket labelled ⬦⟨↭⟩ next to the antenna.

When the controller is switched on, the series of lights in the top left indicate the battery state.

To fully charge the controller, it can take up to 8 hours. If necessary, the remote can be used whilst it is charging. When charging, the red light underneath the soft cover will be lit. When fully charged the light will be off.

Ensure the controller is fully charged after every use.

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Controller & Scoreboard Channel Selection

Ensure the scoreboard is switched on at the fused spur.

Ensure the controller is fully charged and switched on. The power switch is at the bottom left. To switch on press and release the power button, to switch off press and hold for 5 seconds. PLEASE NOTE: THIS SWITCH DOES NOT TURN ON/OFF THE SCOREBOARD ITSELF.

The scoreboard and controller are capable of using 4 different radio channels.
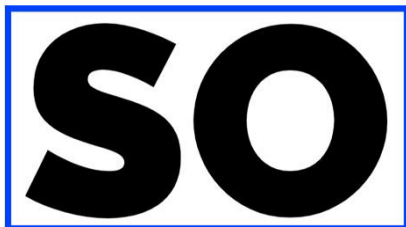
- Channel 0
- Channel 1
- Channel 2
- Channel 3

In locations where two or more boards are in use, it is important that each scoreboard/controller combination is set to a different channel.

To set the channel for this scoreboard/controller combination ensure that any other scoreboards & controllers (of any type) are switched off.

- To set Channel 0: Press and hold the blue function 'Fn' button and then press 'Batsman 1 No.'
- To set Channel 1: Press and hold the blue function 'Fn' button and then press 'Batsman 1 +6'
- To set Channel 2: Press and hold the blue function 'Fn' button and then press 'Batsman 2 No.'
- To set Channel 3: Press and hold the blue function 'Fn' button and then press 'Batsman 2 +6'

Rapidly changing channels is not permitted – please wait at least 20 seconds after changing channels before selecting another.

The new channel selected will display on the scoreboard.

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Scoring – Standard mode using controller

Batter Numbers (if applicable)

Batter 1 is on the left hand side of the board. This number can be adjusted upwards by pressing BAT 1 No. It will only adjust upwards, should you go too far then you will have to go around again. The maximum batsman number is 11.

Batter 2 is on the right hand side and works in the same way as Batter 1.

If fitted: The batter strike indicators are indicated with a small bat image. These are only in use when the scoreboard is connected to PlayCricket Scorer or PCS Pro.

Runs

You add (or take away) runs for the batsman by pressing the appropriate +6, +4, +1 or -1 buttons. This will add runs to the relevant batsman total and the overall total.

When extras are added (wides, no balls, byes etc) these are added with the -1, +1 and +4 buttons at the top.
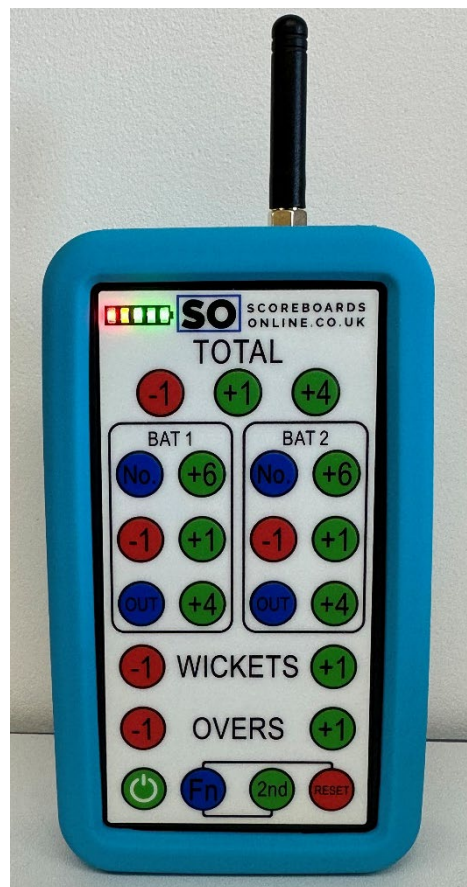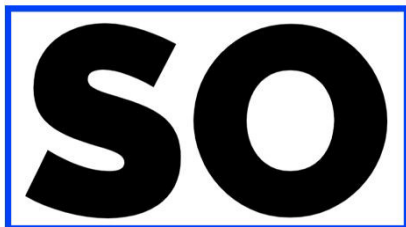
Wickets

Should a particular batsman be out, when you press the BATSMAN 1 or BATSMAN 2 OUT buttons, their score will reset to 0 and 1 will be added to the wickets.

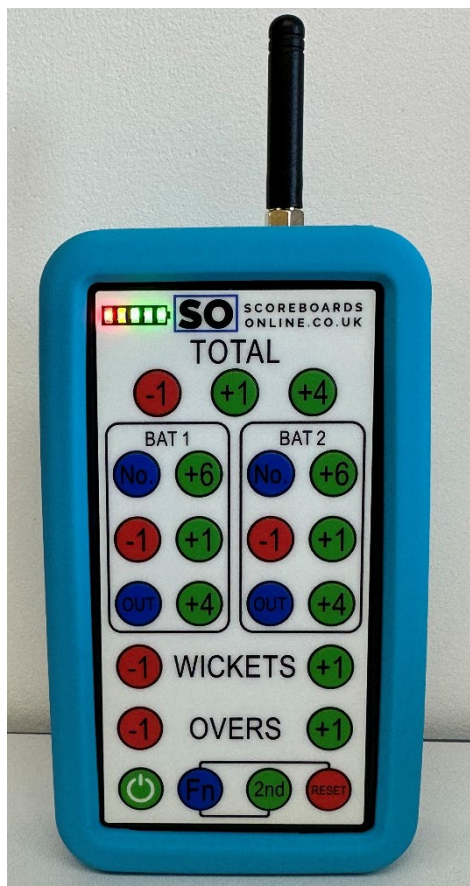Wickets can also be adjusted manually by pressing +1 or -1.

Note: If a Batsman retires, then you will need to press OUT to reset his score and then -1 on the wickets.

Wickets will go to a maximum of 9.

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Overs

At the end of each over simply press +1 to add one to the total. Errors can be rectified with -1. *If fitted:* The ball number is only visible when the scoreboard is connected to PlayCricket Scorer or PCS Pro.

Next Innings / To Win

At the end of the 1st Innings, press and hold the blue Fn (Function) button and press the 2nd button. Once pressed, all scores will reset to 0 but the runs scored in the first innings will be transferred to the applicable indicator. This could be TO WIN (where 1 run will be added to this number) or to 1st INNS − where the first innings total will be displayed.

Last Man / Last Wicket (if applicable)

These will automatically update when a batter is given out using the OUT buttons

DLS Par (if applicable)

This is controlled by PlayCricket Scorer, PCS Pro or Cricket EU only. It cannot be set manually.

Clock (if applicable)

The clock should remember the time even if the scoreboard has been switched off. To adjust the time hold down the Fn button and use Bat 1 'OUT' and '+4' to adjust the hours and Bat 2 'OUT' and '+4' to adjust the minutes.

After Use
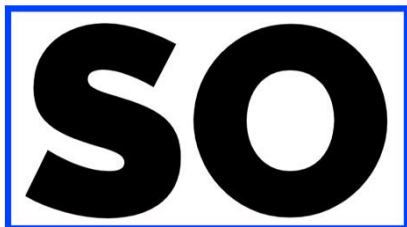
Ensure the scoreboard and controller are switched off.

Recharge the controller after every use. A full charge takes 6 to 8 hours.

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Care & Maintenance

Cleaning

The scoreboard is manufactured with a powder coated aluminium shell. Any trolley or posts are manufactured from powder coated steel.

The clear 'windows' are manufactured from unbreakable polycarbonate. Whilst it is unbreakable, it can scratch or be harmed by chemicals.

For cleaning all of the above, we recommend using a soft clean cloth and very mild detergent.

Do not spray the scoreboard with water.

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12v Battery– if supplied

Battery Use

If Scoreboards online have provided you with a 12v battery it will be in a case and be fitted with a switch and 10A fuse. If you have a mobile system, it will be fitted to the trolley. The scoreboard is switched on and off from here.
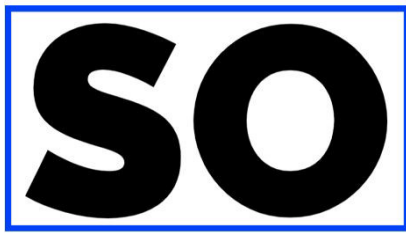

On the side of the battery box, underneath the power switch(es) you will see a small control panel. This is protecting the battery from being run too low which will cause irreparable damage to the battery itself. This works by monitoring the voltage remaining in the battery. When the battery is fully charged it will typically indicate 12.5 to 13v and show 100% capacity.

It will continue to show 100% capacity until the voltage reaches 11.9v at which point the capacity percentage will start to drop. When it reaches 10.5v, the percentage will reduce to 0% and the scoreboard will shut off to protect the battery. You must now charge the battery. The scoreboard will not work again until the charge reaches 100% (at least 12v).

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To charge the battery, switch the scoreboard off. Plug the supplied charger into socket on the front of this panel and switch the charger on. Monitor the charger as this will indicate the battery state.

When fully charged, switch the charger off and unplug from the scoreboard. DO NOT PULL THE CABLE as this may damage the charger plug. The scoreboard should be ready for use.

There are two fuses on the front of the control panel. The bottom left fuse protects the battery during charging, the bottom right fuse protects the scoreboard during use. Both are 10A should they need replacing.

12v Battery Care

We fit low maintenance sealed 'Wet Lead Acid' batteries. These batteries should not be allowed to run completely flat as this will damage the battery. It should be recharged when it reaches 50% power so we recommend recharging after every use and keeping the battery fully charged to prevent internal damage.

If the scoreboard & battery are not being used for a while, we recommend removing the battery to a protected environment – ie, not exposed to extremes of temperature nor moisture. We recommend charging the battery when in storage with a trickle charger.

Intelligent chargers can safely monitor and maintain a battery whilst in storage.

When removing the battery, care should be taken as they can be heavy. They should be carried upright at all times.

At least every year, clean the battery housing/box, terminals and connectors. Smear the connectors with a small amount of petroleum jelly.

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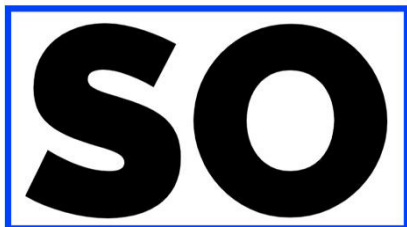
Due to their internal chemical reaction, batteries naturally lose performance over time. A battery that has been in service for some time will have experienced some natural deterioration. This deterioration will mean that when compared to a new battery more frequent recharging will be required.

On rare occasions batteries can give off a sulphurous / rotten egg smell or may become excessively hot. Both these signs usually mean the battery is being overcharged and is in danger of irreversible damage, it may also mean that the battery has encountered permanent damage by being left in a discharged state and can no longer accept charge therefore charging must be stopped immediately and the battery replaced.
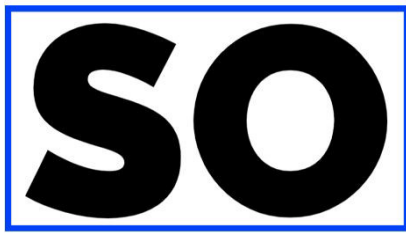
In these cases, be aware that potentially explosive gasses may have been emitted so take extreme care.

Never disconnect the charger from the batteries whilst it is connected to the mains as this can cause a spark. Always switch the charge off at the plug and leave the battery to stabilise for at least 5 minutes before disconnecting from the battery.

If you do not charge your battery for a long period of time, the battery should be charged for at least 48 hours before use.

Scoreboards Online cannot be held responsible for misuse of batteries and they are excluded from the warranty.

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Scoring – Play Cricket Scorer (or Cricket EU) mode for Tablet or Telephone

Please note: Scoreboards Online cannot be held responsible for the Play Cricket Scorer app.

Connection – Scan the QR Code for YouTube video

Your tablet or telephone must be running the latest PlayCricket Scorer app. This is downloadable from your usual sources. Your tablet or telephone will need to connect to the controller. Ensure the controller is switched on, on a matching channel with the scoreboard (see above) and in the vicinity of the device running the app at all times.

To connect the app, ensure Bluetooth AND 'Location Services' are enabled on your tablet or telephone.

Open the app and set-up the game as usual. Either in game set up, or once the game has started go to "Match Settings". Click on "External Scoreboard"
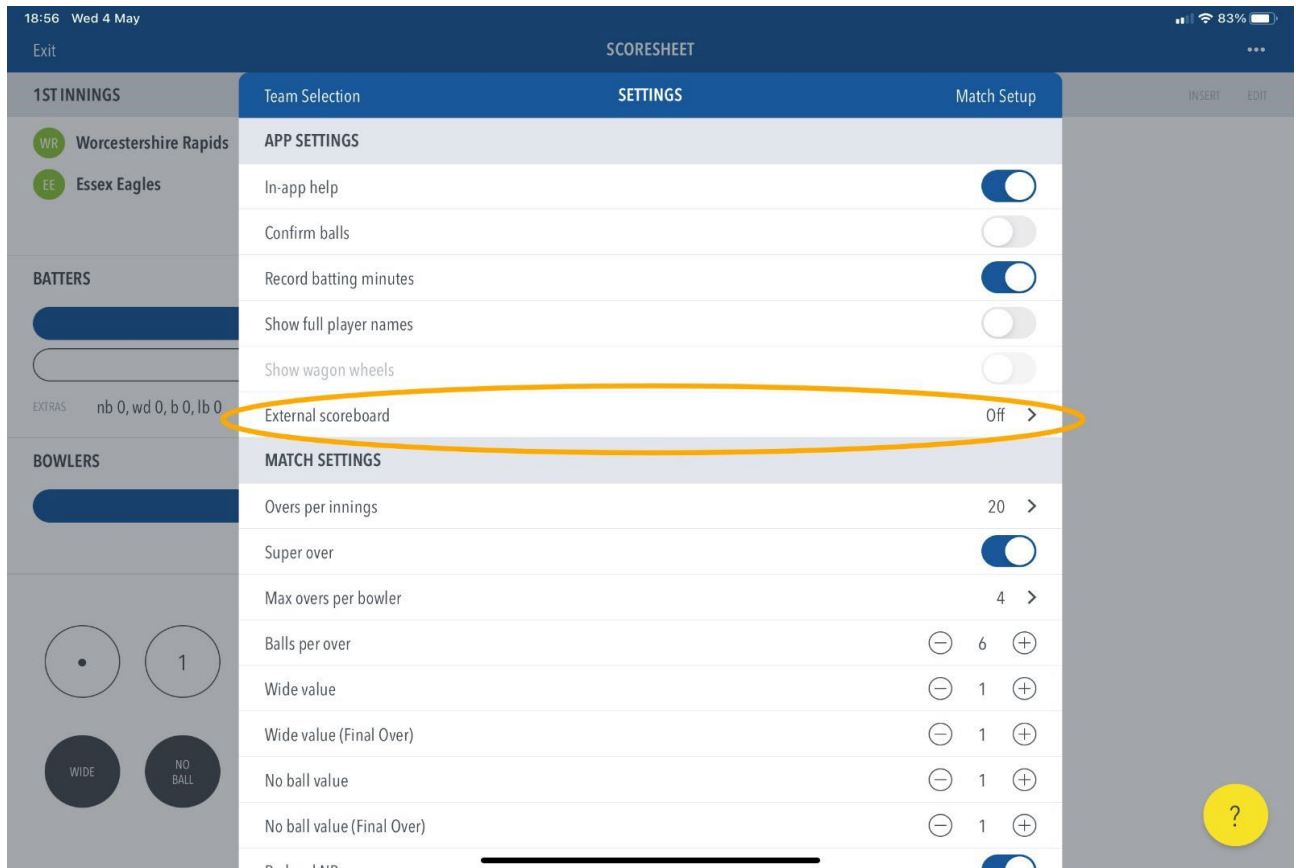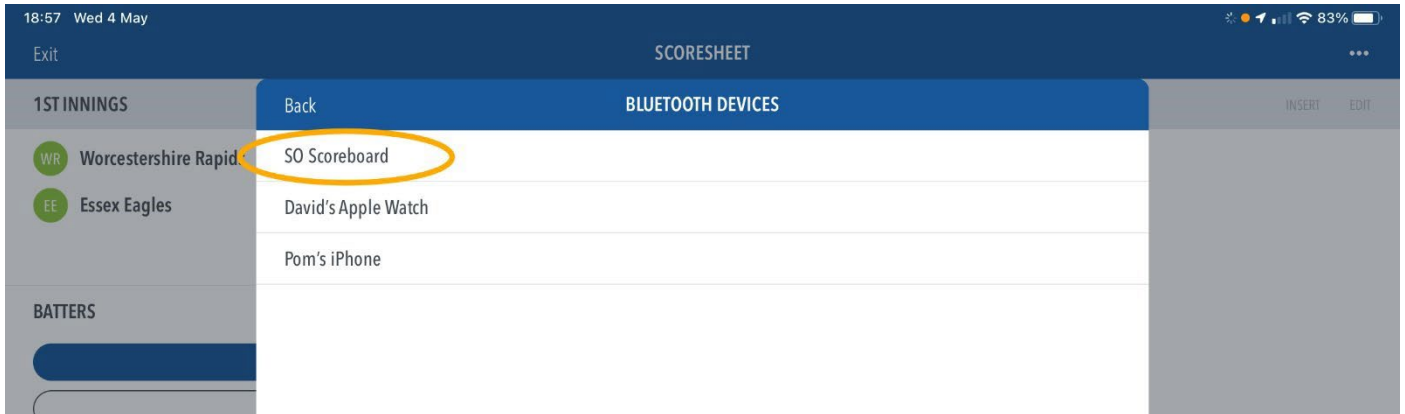
This will take you to:
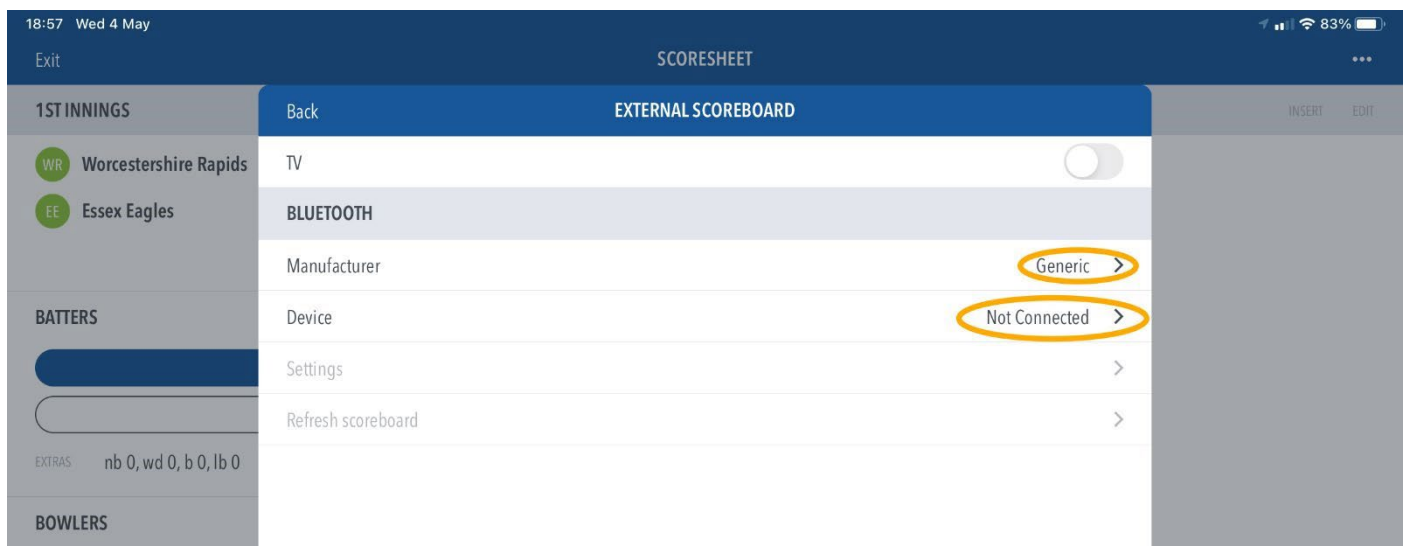
From the Manufacturer, select "Generic" if not already selected.

Click on "Device" and select "SO Scoreboard" from your list of Bluetooth items

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This should then return you to the previous screen where "Device" now says CONNECTED

Then go "BACK" and use Play Cricket as normal.

If after a period of inactivity or the controller is switched off mid game, it may be necessary to reconnect the Bluetooth device. Follow the instructions above to do this.

Please note (for boards displaying Batsman totals): If Batsman number one is out, on selection of the new batsman, batsman two's total moves into position one, and the new batsman moves into position two. This is an anomaly with Play Cricket and the way they send data out of the app.

Should you wish to change from using the Play Cricket App to the standard controller, you will need to turn the Bluetooth adaptor off and turn the scoreboard off. When you restart the board, the standard controller will be working.

If the Scoreboard loses connection with the controller you may need to repeat the above. If it happens regularly, then you probably have not activated Location Services on your tablet or telephone.

After Use Ensure the scoreboard and controller are switched off and recharge the battery in the controller.

Scoring – Play Cricket Pro for Laptop

Connection – Scan the QR Code for YouTube video

Overview:

By connecting your Scoreboards Online controller to a Windows laptop using a USB cable the scoreboard can be controlled by PCS Pro.

The Scoreboard Controller program supplied by Scoreboards Online monitors the changes to the 'nvplay-scoreboard1.xml' file as it is updated by PCS Pro. The scoreboard is then automatically updated to reflect the changes.

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Installation and Setup:

Using PCS Pro select: Tools\Configuration\Scoreboard

1. Tick the Output File 1: Enabled box

2. If the Output file box is blank select 'Browse...' and accept the default location. This is usually %userprofile%\AppData\Local\NV_Play\ECB_Scoreboards\Output.

3. If the Template file box is blank select 'Browse...' and select the 'livedata-fields.template' file

4. Click 'OK' to close the form.

The SO_Scoreboard.exe file supplied by Scoreboards Online should be copied to the same directory as the nvplay-scoreboard1.xml file location.

Create a shortcut for the program. The easiest way on Windows 10 is to right click on the file and select 'Pin to start' or Pin to taskbar'.

Once you have the shortcut, right click on the shortcut and click on Properties. In tab menu at the top, click on Compatibility. The program needs to run in compatibility mode with Windows 7. Ensure the box is ticked and Windows 7 selected, then press Apply followed by OK.
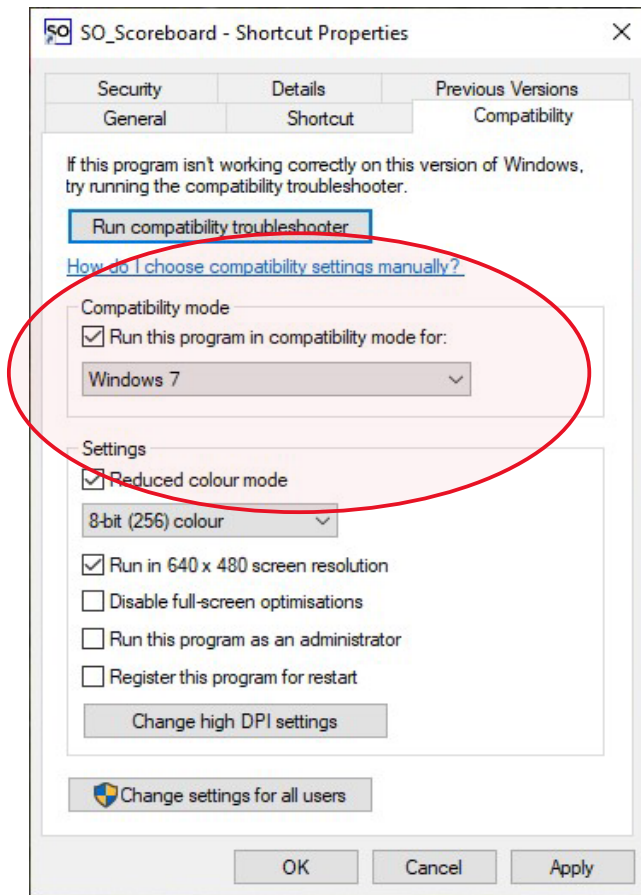
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Scoreboard Controller program:

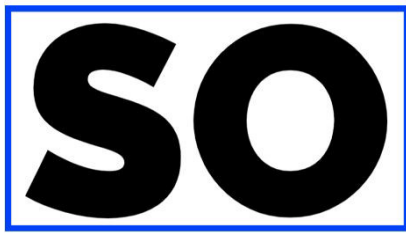Plug the controller into the laptop and turn it on.

Start the Scoreboard Controller program

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Click 'Scan Ports'. The drop down list should now be populated by the available ports. If the controller is the only item connected there will probably be only one to choose from. If there are more than one, unplug the controller and scan again to see which one has disappeared. Now plug the controller in again and select the new port on the list. Once you have established which one it is, Windows should always list the same port for it in the future.

If connection is successful the scoreboard will be updated whenever a run is scored on PCS Pro.

 After Use Ensure the scoreboard and controller are switched off and recharge the battery in the controller.

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