



FAQs for Court Hire

BCS Court Light Controller – installation & configuration

FAQs for Court Hire - BCS Court Light Controller

Please use this document as a first port of call to help set up and resolve any issues with your new BCS Court Light Controller, integrated with ClubSpark online bookings.



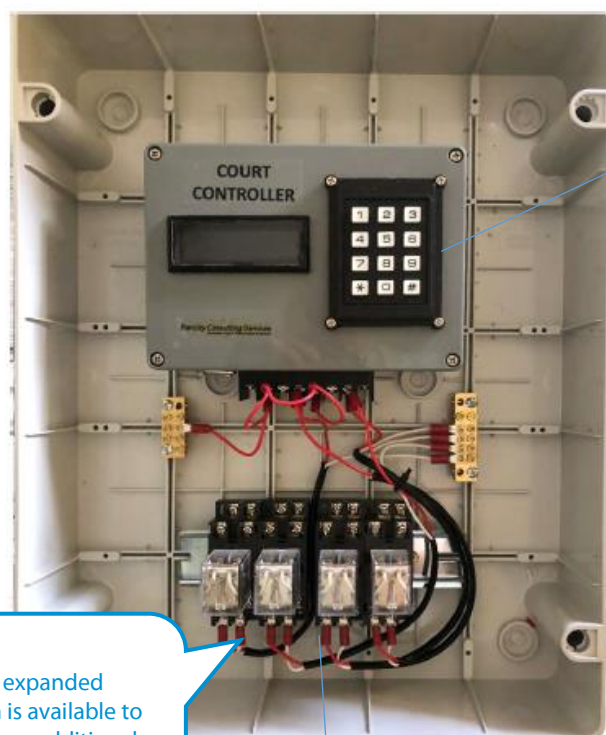
If you are still unsure, please visit the online Support Centre: <https://support.tennis.com.au/>

Alternatively, contact your local State representative or Customer Support on 1800 752 983 / email play@tennis.com.au

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Section 1: Set up and getting started

FAQ101: My Court Light Controller has just arrived - what are the key features?



Court Light Controller mounted within a larger enclosure.



An external keypad is connected to the court light controller and is intended to be installed in a location that is accessible to players to activate court lighting.

TIP: An expanded version is available to control an additional 4 circuits (total of 8).

External relays that will drive the lighting contactors.

FAQ102: How do I get this connected?

You will be required to coordinate an electrical contractor to install the BCS Court Light Controller (including the external keypad). It is important that the electrical contractor understands the following key information;

- How the lights are currently switched on and off,
- How many light circuits are in use,
- The relationship between switches and courts
- The current requirement for the relays

TIP: The equipment enclosure for the Court Light Controller contains 10 Amp replays for switching the light circuits.

Depending on the current lighting infrastructure at your venue, the electrician may be required to perform additional work or replace existing parts to make it all compatible and suitable for the BCS Court Lighting System.

Should you have any challenges with finding a suitable electrician, please reach out to your State representative as they may be able to provide contact details.

FAQ103: Where should the equipment be installed?

The equipment enclosure for the Court Light Controller is not designed for open-air or water, so should be installed in a location protected from the weather (under cover and preferably inside a building).

The **best and recommended** location is adjacent to the existing court light switches or switchboard.
The equipment enclosure should **not** be mounted inside the switchboard itself.

TIP: The required **minimum** space is 300 x 380 x 120mm.

The external keypad has a 2m cable length from the Court Light Controller and is IP rated so therefore suitable for being located outside.

It is **recommended** that the external keypad is installed on the **outside** of a building and **accessible** to players (pin entry required to activate lights).

NOTE: It is possible for the cable length of the external keypad to be increased to up to 5m, should the standard 2m length not be sufficient.

Please speak with your State representative this can be arranged prior to placing the order of the equipment.

FAQ104: I require an additional court light controller to cover all the court lights at my venue, is there a limit to how many can be integrated with ClubSpark?

NO - there is **no limit** to the number of court light controllers that a Club can have on site integrated with ClubSpark. Should a single standard or expanded version of the court light controller not cover the total number of court lights at the venue, it is possible to purchase multiple controllers and integrate them with ClubSpark.

Click the link below to find out more about connecting the ClubSpark booking software with your new controller: [How to connect your BCS Light Controller with ClubSpark](#)

FAQ105: Does the equipment have Warranty? What happens if the equipment fails?

YES – There is a 12-month warranty on the Court Light Controller.

Should any of the equipment fail, an assessment will be completed by the supplier and manufacturer to determine if it will be replaced under warranty.

The club should escalate any issues to their Tennis State representative or to the Customer Support Team for troubleshooting steps – you may need to supply photographic or video evidence by email, and/or return the equipment to the supplier for further diagnostic analysis to confirm issue and status.

For fixing other damage issues caused by vandalism/theft, or fixing items outside of the warranty period, costs will be assessed on a case-by-case basis and options will be discussed with the Club prior to any action being taken.

If you are still unsure, please visit the online Support Centre: <https://support.tennis.com.au/>
Alternatively, contact your local State representative or Customer Support on 1800 752 983 / email play@tennis.com.au

FAQ106: Where do I find the serial number of the Court Light Controller?

To connect the Court Light Controller with ClubSpark, you're required to enter the serial number of the controller.

The serial number will be displayed on the LED screen of the Court Light Controller.

NOTE: If you have multiple court light controllers & will add all of them to ClubSpark then you will also have multiple serial numbers. Each controller will have it's own serial number, ensure you enter the specific serial number for each controller when adding to ClubSpark and assigning to courts.

Section 2: Configuring the Court Light Controller

FAQ201: The Court Light Controller has been installed, now what?

Now that the equipment is installed and connected, you're required to configure the court light controller by entering sets of commands into the controller keypad.

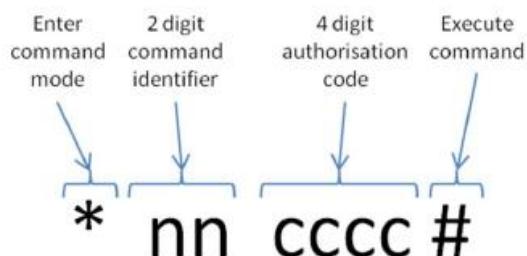
By entering these commands is how you can:

- Set the authorisation/admin code
- Set the date and time of the controller
- Set the time zone of the controller
- Set the time lights are to turn on (month-by-month basis)
- Set the time lights are to turn on in advance of the booking start time (ideal for warm up period)
- Set the time lights are to turn off after the booking end time (ideal for consecutive bookings, to ensure lights don't turn off immediately after the booking)
- and more.



TIP: The Controller display will switch off 5 minutes after the controller has been activated. Press any key to switch the display on and activate the keypad.

The general format for entering a controller command is as follows:



FAQ202: What commands are available to configure?

Please refer to the table below for the list of commands available to be configured.

Command Identifier	Command	Description	Example
50	Enter SSID and Password		N/A for our solution as the Court Light Controller will not be connected to internet
51	Set date and time	Displays and sets the controller's date, time and day of the week. Date: Day, Month and Year are all entered as two digit numbers. Time: Hours are Minutes are entered using 24 hour clock (HH:MM) The Day of the week is entered as a single digit number.	Date: Day = 09, Month = 11, Year = 21 which is 09/11/2021 Time: HH = 14, MM = 09 which is 2:09pm Day: 1 = Sunday, 2 = Monday, 3 = Tuesday, 4 = Wednesday, 5 = Thursday, 6 = Friday, 7 = Saturday
52	Turn on court light(s)	Requests the relay number and then activates the lights associated with that relay.	Note: the "auto mode" (54) must be turned off for this command to take effect and Bypass Light Turn on Time (58) must be enabled if the current time is before the scheduled light turn on time. The lights remain active until the court close time is reached or the command "53" is entered.
53	Turn off light(s)	Requests the relay number and then deactivates all associated lights with that relay.	
54	Set auto mode	Sets or resets automatic mode. Auto mode controls the lights according to bookings via ClubSpark.	Note that when auto mode is on commands 52 and 53 will not turn on and off lights as they will be overridden by this control. To manually turn on lights auto mode must be set off.
55	Set Configuration 1	Displays a subset of configuration information and optionally sets or changes configuration settings.	Set number of courts, light activation time, time zone, admin pin, etc. Refer to FAQ203
56	Set Configuration 2	Displays a subset of configuration information and optionally sets or changes configuration settings.	Set the court to light relay mappings. Refer to FAQ204
57	Set Configuration 3	Displays a subset of configuration information and optionally sets or changes configuration settings.	Set the times the court lighting will activate for each month of the year. Refer to FAQ205
58	Bypass light turn on time	Removes the need for the controller to wait until the light turn on time is reached before turning on lights. This command is effective for a single day.	
59	Activate new IP address		N/A for our solution as the Court Light Controller will not be connected to internet

FAQ203: What are the configuration parameters associated with Command “55” (set configuration 1) and what are the default values?

Please refer to the table below for the configuration parameters and their default values of the subset of configuration information for command “55”.

PIN type	Description	Default value	Example
Courts = xx	Two digit number identifying the number of courts that the controller is supporting	10	
PinSeed = xxx	A 3 digit pin seed number used to generate unique pin numbers.	212	The number lies within the range 190-330
Lightadv = xx	2 digit number of minutes that specify when the lights will activate before the booking time commences.	16	5 minutes = “05”
Lightclosedelay = xx	2 digit number of minutes that specific how long the lights will remain on after the booking time concludes	16	5 minutes = “05”
TimeZone = x	Specifies timezone of controller	1	1 = NSW/VIC/ACT/TAS 2 = QLD 3 = WA 4 = SA 5 = NT
Admin1 = xxxx	4 digit security code	1234	Must not use leading zeroes
Admin2 = xxxx	4 digit security code	4321	Must not use leading zeroes
Open = hhmm	The 24 hour format time at which the courts are considered open	0600	
Close = hhmm	The 24 hour format time at which the courts are considered closed	2200	
ip1-4 = xx	First-Fourth part of IP address		N/A for our solution as the Court Light Controller will not be connected to internet
gwip1-3 = xx	First-Third part of gateway IP address		N/A for our solution as the Court Light Controller will not be connected to internet

NOTE: When wanting to update a value to a specific parameter in this configuration set (e.g. change security code), you will need to go through every parameter in order as shown within the table above, you won't be able to skip through to the specific parameter you want to update.

Click [here](#) to check out a quick video on how to configure this setting on the controller.

FAQ204: What are the configuration parameters associated with Command "56" (set configuration 2)?

This command is where you will set the "Court to Light Relay" mapping. In other words, when someone makes a booking on court 1, which light relay will be activated by the BCS court light controller to turn the lights on for court 1?

Once the electrician has When configuring this command refer to the below table for the relay values:

Relay #	Value
Relay 1	1
Relay 2	2
Relay 3	4
Relay 4	8
Relay 5	16
Relay 6	32
Relay 7	64
Relay 8	128

TIP: A multi-relay mapping adds the values together.

For example, if court 7 activated relays 3 and 4, then the value for Im7 would be 12 (4 + 8).

Using the below 'Court to Light Relay Mapping' image as an example the values for this configuration would be as follows:

Im0 = 0
Im1 = 1
Im2 = 1
Im3 = 1
Im4 = 2
Im5 = 2
Im6 = 2
Im7 = 4
Im8 = 8

Court to Light Relay Mapping

Court 0:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 1:	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 2:	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 3:	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 4:	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 5:	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 6:	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 7:	<input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input checked="" type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 8:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 9:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 10:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 11:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 12:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 13:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 14:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 15:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16
Court 16:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8	<input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16

Click [here](#) to check out a quick video on how to configure this setting on the controller.

FAQ205: What are the configuration parameters associated with Command “57” (set configuration 3)?

This command is where you will set the time for lights to turn on. The turn on times will be set on a monthly basis (i.e. January – December).

The default monthly turn on times are as per the table below.

Month	Default turn on time
January	18:45
February	18:30
March	17:45
April	17:00
May	16:50
June	16:39
July	16:41
August	17:00
September	17:21
October	17:23
November	18:07
December	18:25

TIP: Times entered are in the format **HHMM** and should not include daylight savings time.

Click [here](#), to check out a quick video on how to configure this setting on the controller.

FAQ206: Can I set extra time for lights to turn on or remain on beyond the booking time?

YES – You can configure the time for lights to activate before the booking commences and the time for lights to remain on after the booking time concludes.

This setting sits within the command identifier #55 - see above **FAQ203** for advice on how this can be implemented, specifically the parameters “lightadv” and “lightclosedelay”.

NOTE: When going through the process of configuring this command, you will need to go through every parameter in order as shown within the table of FAQ203, you won’t be able to skip through to the specific parameter you want to set.

FAQ207: How do I set/update the turn on time for lights?

See above **FAQ205** for advice on setting the turn on time for lights.

FAQ208: How do I set the time zone of the controller?

This setting sits within the command identifier #55 - see above **FAQ203** for advice on how this can be implemented, specifically the parameters “TimeZone”.

NOTE: When going through the process of configuring this command, you will need to go through every parameter in order as shown within the table of FAQ203, you won’t be able to skip through to the specific parameter you want to set.

Section 3: Operational: How it works

FAQ301: How do players get a pin to activate the lighting?

Upon confirmation of a booking made online via ClubSpark, the player will receive an 8-digit pin to activate the lighting (in addition to court access instructions). The 8 digit pin will be displayed on screen, within the booking confirmation email and SMS, if the SMS is requested.

The lighting pin will change for every booking.

FAQ302: When is the lighting pin active?

When a booking is made online via ClubSpark, the lighting pin will be active instantaneously. Therefore if a booking is made on the spot, the player has the ability to turn on the lights with no delay (assuming they can also get access instantaneously).

If a player has made a booking for 8-9pm and they arrive early at the venue at 5pm, they can successfully enter their lighting pin and it will activate the lighting for their booking later in the evening.

FAQ303: How do the lights turn on/off and when?

The lights will turn on once the "turn on" time set for the particular month has been reached (see FAQ205) and only if the player has entered their lighting pin successfully.

The lights will turn off automatically at the end of the booking and after the "lightclosedelay" has passed (see FAQ206).



TIP: Green and red status lights located on the keypad mounting enclosure are used to indicate the success or failure of the entered lighting PIN.

TIP: Players will enter their 8 digit lighting pin followed by the # key on the external keypad.

FAQ304: Can I turn the lights on manually?

YES – you can turn the lights on and off manually (outside of bookings made via ClubSpark).

To turn the lights on/off manually, you will need to ensure that “auto mode” (command 54) is turned **off** and the “Bypass Light Turn on Time (command 58) is **enabled**, if the current time is before the scheduled light turn on time.

To turn on the lights enter the following command into the keypad;

*52#**cccc****xx**

To turn off the lights enter the following command into the keypad;

*53#**cccc****xx**

The lights turned on manually remain active until the court close time is reached or the command “53” is entered.

TIP: **cccc** is the security/admin code set by the club
xx is the two-digit court number, if entering on the external keypad or is the two-digit relay number if entering on the controller keypad.

FAQ305: Play has finished early or has stopped due to rain, can I turn all the lights off manually?

YES – you can turn off all the lights at once by entering the “kill pin” on the external keypad, which is the command;

*53#**cccc**00

TIP: **cccc** is the security/admin code set by the club.

All court lights that have been activated are deactivated until the next day.

If you are still unsure, please visit the online Support Centre: <https://support.tennis.com.au/>
Alternatively, contact your local State representative or Customer Support on 1800 752 983 / email play@tennis.com.au