

# TSC 1500XL Operations

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## 2 USER LEVELS

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The TSC 1500XL has 2 User levels: USER and ADMIN

The USER level is the primary level that most personnel should be using. It will allow users to operate the system and set-up / use quick courts.

The ADMIN level allows users to create new USER level accounts for access to the system as well as enter in a configurable screen timeout option for the system to auto-logout. The ADMIN level also enables maintenance mode for troubleshooting.

Any number of users can be added to these levels, but the default credentials are as follows:

Username: USER (All capitals)

Password: 111111

Username: ADMIN (All capitals)

Password: 123321

## 3 OPERATIONS

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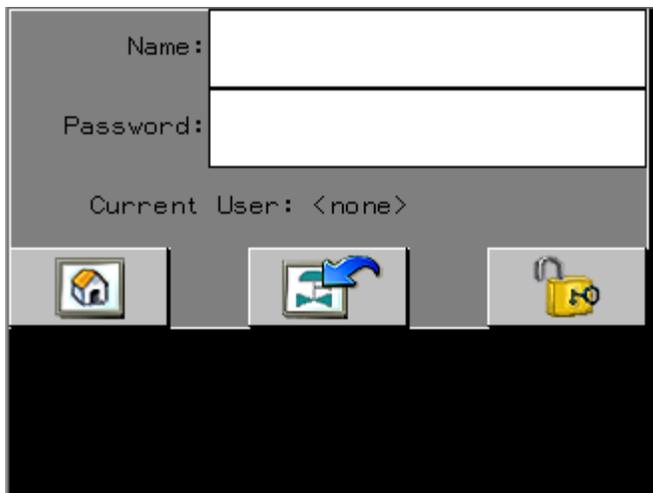
### 3.1 USER LEVEL

#### 3.1.1 Logging into the system

Upon touching the screen, the operator will be presented with the login screen:



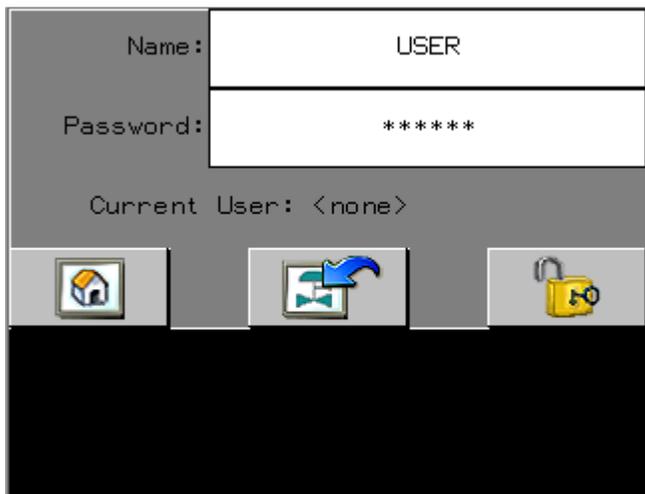
Press the LOGIN button to begin



From here tap in the Name: field and enter a username that is a member of the USERS group using the on-screen keypad.



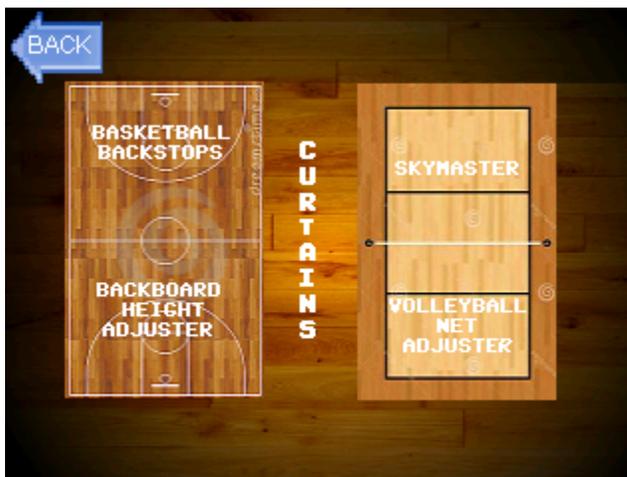
Repeat for the Password: field



Tap on the Lock icon and if successful, the Current User: field will be updated to reflect the current user logged in. Once a user is logged in, tap on the Home Icon on the left to go back to the main screen.



Tap on the OPERATE button to access the system controls



From here, the Court Select Screen appears. Different components are organized on this page for ease of use. Note: systems may differ in appearance based on equipment.

Tapping on any of the images takes the operator to that respective page. As an example, tapping on the basketball court brings up the following:



From here there is a topographical layout of your facility.

### 3.1.2 Staging equipment for movement

In order to operate the system, the operator must first select the direction intended for the equipment to move (by tapping the Up or Down arrow). Multiple pieces of equipment can be staged simultaneously.



The red arrows indicate the direction the equipment will move when the Execute button is held down.

### 3.1.3 Moving equipment

Upon setting the desired direction of movement, press and hold the execute button. The directional indicators will flash blue to indicate movement.



Once the operator releases the Execute button, the equipment will stop moving.

If the operator unintentionally releases the Execute button, there will be 3 seconds where the user can resume movement by holding the Execute button again. After 3 seconds, the system will reset and the staging selections will need to be made again.

### 3.1.4 Fast Play

The TSC 1500XL has the capability of saving up to 8 preset selections of equipment to move. These presets are called fast plays, and are available at the top of each court screen.

Tapping on a number will take you to that particular fast play's option page.

#### 3.1.4.1 To save a fast play:

1. Pre-select all of the equipment to move by setting the up and down arrows accordingly
2. Tap on the fast play number (1-8) to open the menu
3. Tap Save and the fast play will be saved to that number for future use.

#### 3.1.4.2 To use a fast play:

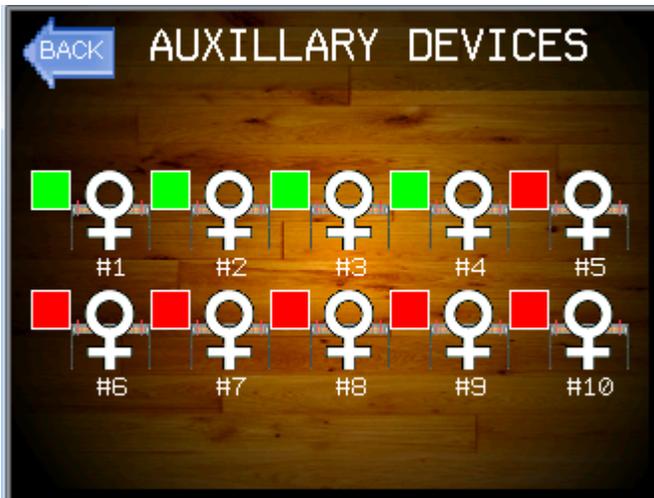
1. From any page, select the fast play number that contains the preset desired
2. Tap LOAD. The system will pre-populate the selections with the saved information
3. Optionally, select or deselect any additional equipment to move
4. Press and hold the Execute button to operate the system

#### 3.1.4.3 To erase a fast play:

1. From any page, select the quick court number that is to be cleared
2. Tap on the CLEAR button
3. The quick court is now cleared and has no information stored in it

### 3.1.5 Auxiliary Equipment

The TSC 1500XL also is capable of toggling on or off auxiliary components. To access the controls for this type of equipment, from the main screen, select Auxiliary



Here, the system is showing that Auxiliary devices for Women's volleyball net enable are turned on for numbers 1,2,3, and 4. To toggle a device, simply tap on the icon.

Note: Auxiliary devices are not included in fast plays.

### 3.1.6

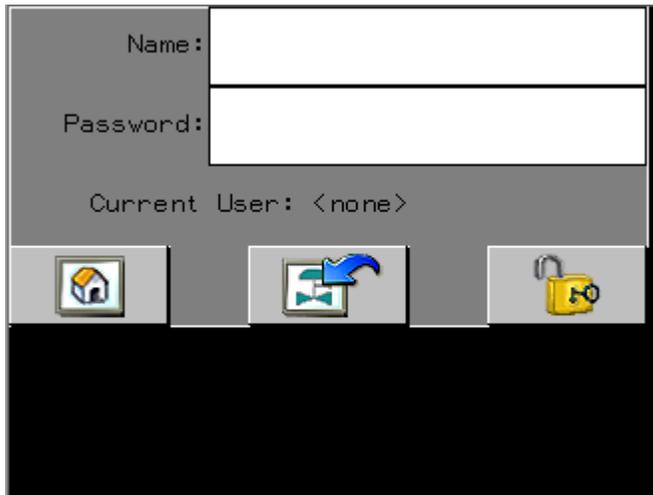
## 3.2 ADMIN LEVEL

### 3.2.1 Logging in to the system

Upon touching the screen, the operator will be presented with the login screen:



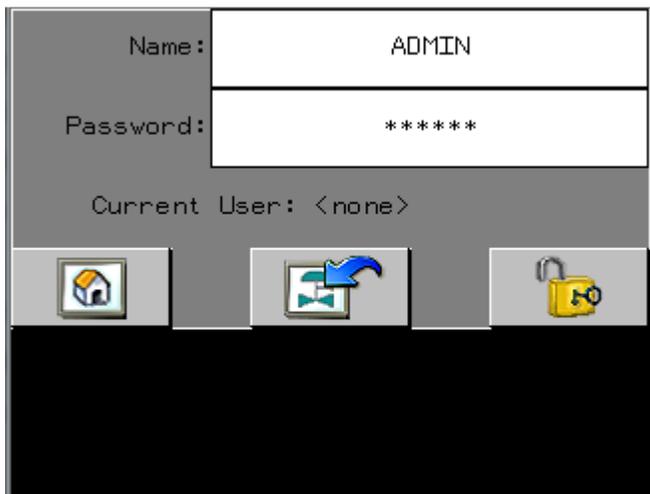
Press the LOGIN button to begin



From here tap in the Name: field and enter ADMIN using the on-screen keypad.



Repeat for the Password: field

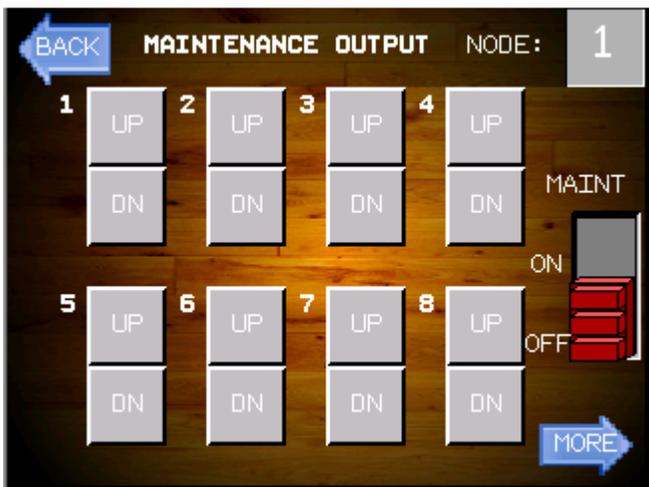


Tap on the Lock icon and if successful, the Current User: field will be updated to reflect the current user logged in. Once a user is logged in, tap on the Home Icon on the left to go back to the main screen.



### 3.2.2 MAINT Menu

Tapping on the MAINT button will take the operator to the maintenance screen.



The components on this screen are used for troubleshooting and isolating outputs for testing purposes.

#### 3.2.2.1 Node

The NODE: field in the top right-hand corner is used to select which relay box the operator is troubleshooting.

NODE: 1 corresponds to the TSC1500XL system while NODE: 2-16 correspond to slave relay boxes.

It is important that the operator understand the device mapping before operating maintenance mode. Please see your building installation documentation for this information, as it is unique to each system.

#### 3.2.2.2 Maint Toggle switch

The MAINT toggle switch will put the entire system into maintenance mode.

The system will return to normal mode if either of the following occur:

- The operator uses the MAINT toggle switch
- The system is not touched for 45 seconds

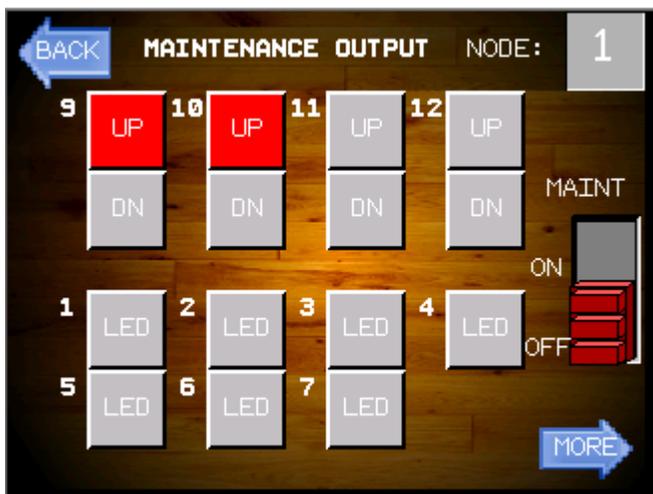
### 3.2.2.3 UP / DN buttons

The UP and DN buttons correspond to the UP and DN outputs on the TSC 1500XL relay board.

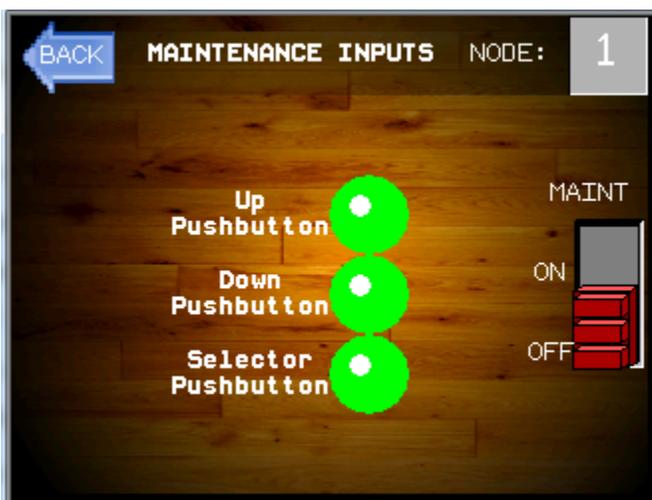
To operate a relay on the board, press and hold the corresponding button. Only one output can be active at a time. When the button is released, the relay de-energizes.

### 3.2.2.4 More Button

The MORE button will take the operator to the next page in the maintenance section.



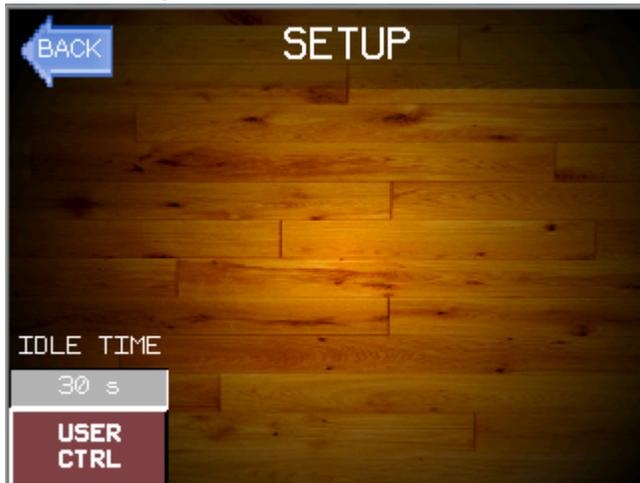
Here it shows that relays 9 UP and 10 UP are energized (due to their status as a toggle, specific to each system).



Pressing MORE a second time will take the operator to the INPUT page where diagnostics can be performed on the manual tethered switch. To diagnose, the

operator views this page while pressing up or down on the switch and the corresponding button will illuminate if there are no faults on the switches.

### 3.2.3 Setup menu



#### 3.2.3.1 IDLE TIME

The idle time setting is configurable from 30 to 999 seconds and specifies how long the system will stay logged in after no interaction.

#### 3.2.3.2 USER CTRL

<b>Group</b>	Admin	▼	
<b>User</b>	ADMIN	▼	
<b>Password</b>	<input type="text"/>		
<b>Confirm Password</b>	<input type="text"/>		
<b>ADD</b>	<b>UPDATE</b>	<b>DELETE</b>	<b>EXIT</b>

From this panel, the administrator can change the ADMIN password from the default 123321 to any desired password.

Also, the administrator can select Group: Users and perform user management on user accounts (non-administrator level)

<b>Group</b>	Users	▼	
<b>User</b>	JOHN	▼	
<b>Password</b>	*****		
<b>Confirm Password</b>	*****		
<b>ADD</b>	<b>UPDATE</b>	<b>DELETE</b>	<b>EXIT</b>
			

Here the user JOHN will be added when the ADD button is pressed.

Similarly, the administrator can UPDATE an existing user by selecting the user to update using the dropdown menu and changing the password fields and pressing the UPDATE button.

If the administrator would like to remove a user from the system, select the user to delete from the dropdown menu and press DELETE.

When finished with user operations, press the EXIT button to go back to the setup screen.

## 4 MANUAL OVERRIDE

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### 4.1 OPTION

If so equipped, the TSC1500XL system can be manually operated with a tethered button switch.

1. The operator is to insert the male end of the tethered button switch into the relay board J5 socket
2. The operator uses the pushbutton on the circuit board to select which relay set to use from 1-C where A=10, B=11, and C=12. The currently selected relay will display on the board's LED display.
3. Once the desired relay is selected, the operator can operate the equipment by pressing and holding down the desired direction until the equipment is deployed or stowed.
4. Once manual operation is no longer required, the operator can cycle through the selections until the LED display turns off, or wait for 60s and the system will automatically resume normal operation.