

# **TT Pro Scorer**

# Manual

## Introduction

Thank you for choosing TT Pro Scoring System! Your decision to purchase this product is greatly appreciated, and we are thrilled to welcome you into our community of satisfied customers. Our small team have poured their passion, expertise, and dedication into crafting this product to meet your needs and exceed your expectations. Your support empowers us to continue innovating and delivering high-quality solutions. Should you have any questions or require assistance, please don't hesitate to reach out to our support team. Once again, thank you for your trust in us. We're committed to ensuring your experience with TT Pro is nothing short of exceptional. We hope that you will enjoy this product for many years to come.

**Before first use, please charge the Remote Control and PowerBank (optional) using the USB-C cable.**

## Score Display

To activate the Score Display, connect it to a USB-C power supply following the instructions in Figure 1. If a Power Bank is provided, insert it into the display battery holder at the rear of the Score Display, then connect the USB cable's opposite end to the Power Bank (Figure 3). Upon successful connection, the display should show the time. Don't worry if it's wrong, as you can adjust this later in the settings.

For permanent installation, consider wall mounting the Score Display and providing a continuous power source via either the optional mains powered USB-C adapter, or any other USB-C power supply capable of providing at least 3A (15W). This allows it to function as a wall clock when not in active use.

When using the TT Pro Scorer it is advisable to use a portable power source such as a Power Bank. We recommend a Power Bank with a minimum capacity of 5,000mAh, providing approximately 5 hours of usage. Even a 2,500mAh Power Bank can offer around 2 hours of playtime. Our supplied Power Banks are 10,000mAh, ensuring a minimum of 12 hours of continuous operation.



*Figure 1: USB-C power on Score Display.*

## Remote Control

Activate the Remote Control by pressing the switch downward, following the guidance provided in Figure 2. Look for the message "Clock" displayed on the screen of the Remote Control, confirming its readiness for operation. For further details, consult the Operation Instructions.

If you attempt to activate the Remote Control before turning on the Score Display, you may encounter a "Display disconnected" message. This signifies that the Remote Control failed to establish a connection with the Score Display. Once the Score Display is powered on, simply press any button on the Remote Control to establish the connection.



Figure 2: Remote-control

## Tripod (Optional)

Extend the tripod legs to achieve stability and adjust the tripod rods to reach the desired height, up to a maximum of 1.4 meters. Next, loosen the tightening screw located on the tripod and insert it into the back of the Score Display. Once inserted, tighten the screw securely. Refer to Figure 3 for visual guidance.



Figure 3: Optional tripod and power bank.

## Safety Instructions

The handheld Remote Control unit contains a Lithium Ion battery, so should not be exposed to extreme heat or punctured. If disposing of this unit please do so responsibly, following your local official means of disposal.

## Product overview

Designed for both casual players and professionals, this state-of-the-art scoring system is the only electronic scoreboard developed specifically for table tennis. With its user-friendly interface and high-reliability communications system, it is simple to use yet powerful enough to ensure compliance with all official table tennis rules.

## Key Features:

- **Accurate Scoring:** The system uses official rules to ensure reliable and precise scoring for every match. By presetting the choice of game rules (points per game, games per match), the system clearly displays the current server, points scored, matches won, and even enforces correct end-swaps via an audible signal.
- **Ease of Use:** Featuring an intuitive interface on a powerful remote handset with a bright OLED display, the system allows referees of all levels to easily apply scores, with advanced undo features to instantly correct mistakes.
- **Visibility:** A bright LED display ensures scores are clearly visible to players and spectators alike, even from a distance.
- **Game Modes:** Choose from various game modes to customize your match settings, including winning score limits and number of games.
- **Rules Compliance:** The TT Pro tracks 60-second timeouts through a built-in countdown timer, activated by the referee with a single button press.

- **Results Handling:** Upon completion of a game, the scoreboard displays the score from each game and the overall winner, including a total points summary for each player used in some club scoring systems. This provides an unambiguous summary screen for easy transcription to any recording system.
- **Built-in Clock:** The display contains a real-time digital clock that shows the current time. This allows the system to be used as a wall-mounted clock when not in use, or as an indicator for scheduled games in a tournament scenario.
- **Portable Design:** Lightweight and compact, the system is easy to transport and set up, making it perfect for home, club, and tournament use.
- **Long Battery Life:** The remote interface incorporates a long-life battery capable of running for over a week on a single charge. The display unit runs for up to twelve hours on a single charge when using the optional battery pack or can be powered indefinitely via a mains-powered standard USB-C charger.
- **High-Reliability Scoring:** The system uses secure encoded communications to reliably send data between the display unit and the remote handset. With a range of up to 100 meters, the system operates reliably in any venue, regardless of the number of units in operation.

Whether you're hosting a friendly match with friends or competing in a professional tournament, the TT Pro Electronic Table Tennis Scoring System is your ultimate companion for keeping score accurately and efficiently. Our technology guarantees accurate scorekeeping, leaving no room for ambiguity or bias, and includes optional audio feedback for points scored by each player. The current score is displayed in real-time on the electronic scoreboard, providing instant updates for both players and spectators alike. With clear visibility and easy-to-read digits, you'll never lose track of the score again. The low cost and versatility of the system ensure it can be used for casual games at home or professional competitions on the world stage.

## Operating Instructions

### *Score Display*

#### Overview

In this section we will describe few of the common functions of TT Pro Display but also guide you how you can customise your TT Pro Display using the Settings menu.

#### Clock

Figure 4 shows the clock, with the red dot indicating the second.

The time is always displayed in 24 hour mode





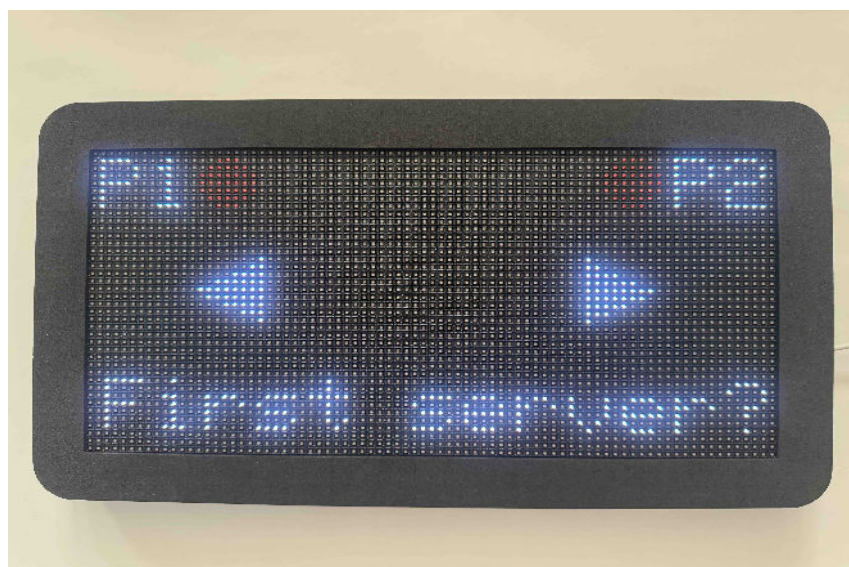
*Figure 4: Clock*

### **Choosing who starts serving**

TT Pro keeps track as who should be serving at each point. In order to provide correct serving information, you need to select which player wins the right to serve first. As shown in Figure 5, press LEFT button to select player on left side to server first or RIGHT button to select player on right side of the table to serve. From this point on, the system does all the work. The “red” dot next to either P1 or P2, indicates who should be serving.

Advanced:

1. You can initiate a Warm Up countdown of 2 minutes by pressing and holding either LEFT or RIGHT button. A great tool to limit time spend on pre-game warm ups.
2. You can also swap sides of P1 and P2. Press SELECT button to toggle the sides. (This could be used as P1 for Home Team and P2 for Away Team.)



*Figure 5: Who should serve first?*

## Game Scoring

This is the main screen of TT Pro since all the scoring takes place here. This is shown in Figure 6 (top). The main screen should be self explanatory. The remote for this mode is shown in Figure 6 (bottom) with actions for each button. So, assuming P1 is on left side on the table and wins a point, just short press LEFT button. Point is added to P1. Do the same for P2 (right side) by pressing RIGHT button. If a point is given incorrectly, press BACK button to undo it.

Advanced:

1. To start 60 second Time-Out, press and hold either LEFT or RIGHT button. This will initiate 60 second count-down on the screen. Once it reaches 0, it will show "Resume Play" for 3 seconds and will go back to game scoring. To cancel Time-Out, press BACK button.
2. To reset current game to 0:0 score, press and hold BACK button. If it is the first set, it will reset the match, in which case you have to choose who starts serving. This is a short cut to change who serves first..
3. If you move the scoreboard so person with remote control is behind it, you can flip the screen scoring by press and hold of both LEFT and RIGHT button.

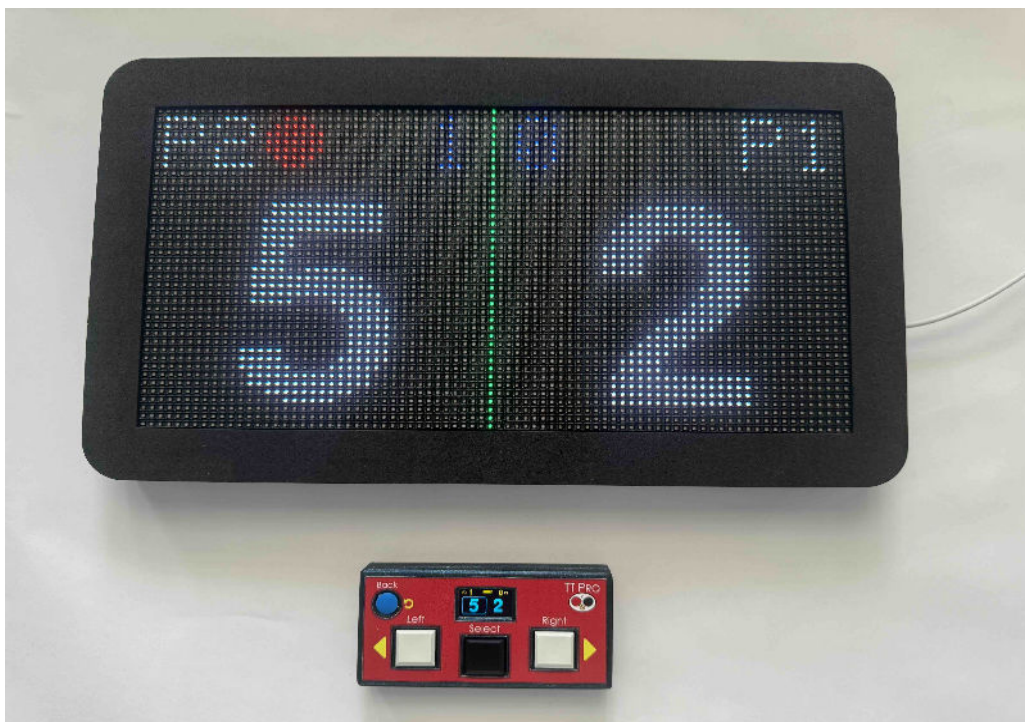


Figure 6: Game Scoring

## End of Game

Once end of game is reached, the main screen will show points scored by each player and games won. This is shown in Figure 7. Note that winning game is flashing for few seconds. It is important to note that you can undo the last point by pressing BACK button which will

take you back to Game Scoring screen with score which was before you pressed the last button.

To accept game's score press SELECT button. If the match is not over, next game (set) is started and players should swap ends. Note that P1 and P2 will swap and so the winning games. Also, who serves is correctly shown.

The end of game is reached when either player wins 11/21 points or by two points if both reach 10/20 points. You can set 11/21 in Settings → Match menu → Played to. Please see Settings Menu for more details.

If end of the match is reached, the End of Match screen is shown as discussed next.



Figure 7: End of Game

## End of Match

Once the end of the match is reached, the main screen will show how many games each player won and corresponding points per game. This is shown in Figure 8. If game's points don't fit on the screen, you will see green arrow indicating more scores. To view them use LEFT button to scroll up and RIGHT button to scroll down. The last entry for points (below dotted line), shows total points won by each player.

**Note:** you can't go back from End of Match to End of Game screen. So be careful at End of Game Screen to only press SELECT when truly happy with the game scores.

The end of match is reached when Best of Games is satisfied, which can be either 3 or 5 or 7. This can be set in **Settings** → **Match** → **Best of**. Please see Settings Menu section for more details.



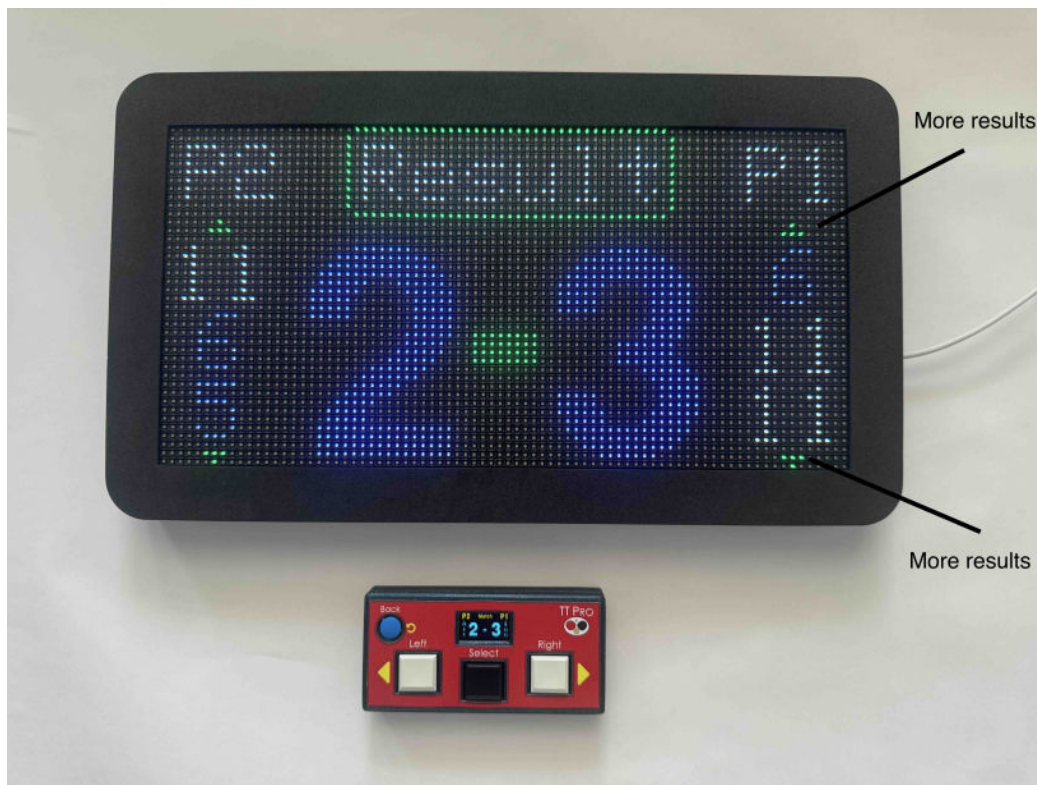


Figure 8: End of Match

## Settings Menu

To show Settings menu press and hold SELECT button until you see Setting options.

The Settings options are:

1. Swap Server
2. Swap Sides
3. Reset Game
4. Reset Match
5. Show Clock
6. Match →
7. Display →
8. Clock →
9. About →

Next, let's dive into more details of all the settings:

### 1. Swap Server

This will swap who is serving. Only useful if you made a mistake as who should start serving.

### 2. Swap Sides

This will swap P1 and P2. Useful when P1 is Home Team and P2 is Away Team.

### 3. Reset Game

This will reset game's points to 0:0. No changes to winning games. Note: there is a short cut in Game Scoring: press and hold BACK button until score is reset to 0:0.

### 4. Reset Match

This will rest the match and take you to a screen where Server is selected. However, as this operation can't be undone, you will be asked to confirm it. Use LEFT or RIGHT button to select YES and then press SELECT button. If you don't want to reset the match, select "No" and press SELECT button.

### 5. Show Clock

This will take you to screen where clock is shown. Great in game rooms, showing time when not in use.

### 6. Match →

- **Best of: 3/5/7**

Use SELECT button to iterate over available choices. This will dictate when the match should end.

- **Played to: 11/21**

Use SELECT button to toggle between 11 and 21. This will dictate when the game should end.

- **FacingScr: Y/N**

Use SELECT button to toggle between **Y** and **N**. Set it to **Y** if person scoring (with remote control) is facing the main display. Set it to **N** if the person scoring is sitting behind the main display. This is necessary so LEFT and RIGHT button corresponds to correct side of the table. (Please see: **Relative Position of Display and Remote** for more details.)

### 7. Display →

Display behaviour is set here. Here are the options:

- **Sound: Y/N**

Use SELECT button to toggle between **Y** or **N**. This will set internal speaker to either ON or OFF, respectively. For example, with **Y** selected, each point allocation will beep once for P1 and twice for P2. This can provide good sound feedback to players whether the point was allocated correctly. However, in competition environment where there are multiple TT Pro Scoring Boards, you might choose **N** option so the room is not filled with too many beeps. Note that even with Sound set to **N**, special beeps are still emitted: end of game and when players must swap sides in the last set after any player reaching 5/10 points. This reminds players to swap sides.

- **Screensaver: N/5/10/15/20/25/30**

Use SELECT button to iterate over available choices. When **N** is selected, no screen saver is activated in which case last screen will be shown until display is unplugged from power source. This is not recommended since it will shorten longevity of the display. Avoid setting this to **N** unless you have a good reason for it.

- **Brightness: 1/2/3/4/5**

Use SELECT button to iterate over available choices. This specifies how bright will be the display. The higher the number the higher the brightness. As you press SELECT button you have immediate feedback what the brightness you are setting to. Please note that the higher the number the more power the display will consume.

- **Add Remote** →

This allows you to “pair” TT Pro remote with this display. Press SELECT button when highlighted and you will be shown screen which asks you to press and hold BACK and SELECT buttons on TT Pro remote until you see “New Remote is Synced” on main display. Then press BACK button to go back to Display Settings. (This also verifies that remote is synced up with display).

- Note 1: You can have multiple TT Pro Remotes paired to one display.
- Note 2: Each TT Pro Remote can only be paired with one Display.
- Note 3: Purchased display and remote is already paired in factory, so no need for pairing.
- Note 4: If you don't have TT Pro Remote, you can use buttons on the side of the display. They act the same way, UNDO, LEFT, SELECT and RIGHT.

## 8. Clock →

- **Set Time** →

Use SELECT button to go to screen where time can be set. Use LEFT button to decrease current digit and the RIGHT button to increase the digit. Press SELECT button to move to next digit until you are done. It will take you back to Clock settings.

- **ClockBright: 1/2/3/4/5**

Use SELECT button to iterate over available choices. This specifies how bright the clock should be. The higher the number the higher the brightness.

- Note 1: As you change the values you don't see the change since it is only applied to clock. If you meant to change brightness of the display, please go to **Settings** → **Display** → **Brightness**.
- Note 2: For some rooms, it is important to set clock brightness to 1 so it does not emit too much light.
- Note 3: The higher the brightness, the more power the display will consume so please take it into consideration when deciding on this number.

## 9. About →

- **Mode: TT/B**

**TT** for Table Tennis or **B** for Badminton. This device can score for both sports.

- **ID**

This shows the MAC address. Used for product identification.

- **Version: X.Y**

Shows the version of software installed on the display.

## **Relative position of Display and Remote**

When using the Remote Control, the referee typically faces the table, where players occupy the left and right sides of the net from the referee's perspective. On the remote control, the referee utilises the Left button to attribute a winning point to the player on the left side of the table and the Right button for the player on the right side.

However, the orientation of the displayed information depends on the positioning of the display relative to the referee. If the display is situated on the opposite side of the referee (i.e., the referee faces the display), then pressing the Left button will increment the score on the left side of the display, and the Right button will do the same for the right side. This alignment is correct and expected.

Conversely, if the display is placed in front of the referee (i.e., the referee does not face the display and instead sees its back), pressing the Left button will increase the score on the right side of the display (as perceived by the referee), and the Right button will do so for the left side. To rectify this, the scores on the Score Display need to be "swapped." This adjustment is accomplished by changing the Facing Screen (**FacingScr**) setting to "N" in the Match menu. The Facing Screen parameter serves to indicate whether the referee faces the display or not, ensuring the proper alignment of score attribution with the players' perspectives.

This process can also be performed by holding down both the right and left player score buttons on the remote control for three seconds.

## ***Wireless Remote Control***

The TT Pro remote control is equipped with an internal lithium battery, featuring a battery level indicator upon activation. It is advised to ensure the battery maintains at least half of its charge before anticipated usage.

To recharge the battery, utilise the USB-C cable. Upon connection to a power source, observe the indicator light located just above the USB-C port: a RED light indicates the battery is charging, while a GREEN light signifies a full charge. Whenever feasible, discontinue charging once the light transitions from red to green.

When the TT Pro remote control is not in use, keep it powered off. There's a small switch positioned above the USB-C port. To power off the remote control, switch it to the "up" position. Conversely, to activate the remote control, shift the switch downwards. Leaving the remote control in the ON position triggers a power-saving mode, albeit still drawing a minimal amount of battery power, which could deplete the battery within approximately 10 days.

After each session, verify the battery charge level and recharge as necessary before the next use. Simply plug the device into the USB-C cable for charging. Once the indicator light turns green, indicating a full charge, feel free to disconnect it.

If the remote control remains inactive for 10 minutes, its display will automatically turn off. To reactivate the remote control, press any button or toggle the switch OFF then ON.

# Technical Specifications

## ***Warranty***

Pro TT Scorer stands behind the quality and performance of our product. The product is under a one-year limited warranty from the date of purchase against manufacturing defects and faulty materials. During this warranty period, if your Pro TT score board and remote control experiences any issues due to defects in workmanship or materials, we will, at our discretion, repair or replace the product, or provide a refund, free of charge.

This warranty does not cover damage caused by misuse, accidents, neglect, improper installation, unauthorised repairs or modifications, or normal wear and tear. Additionally, the warranty does not cover any consequential or incidental damages arising from the use of the product.

To make a warranty claim, please contact Pro TT Customer Support with proof of purchase and a detailed description of the issue. Our team will guide you through the warranty process and provide assistance to resolve the problem promptly.

This warranty is valid only for the original purchaser and is non-transferable. It does not affect your statutory rights under applicable consumer protection laws.

Thank you for choosing Pro TT. We are committed to providing you with high-quality products and excellent customer service.



## Troubleshooting

### Score Display

Issue	Solution
Screen is blank.	Make sure the screen is correctly connected to power source with correct USB cable.

### Remote Control

Issue	Solution
"Display disconnected"	Make sure Score Display is turned on and in range. Resync remote control to Display
Screen is blank.	Turn switch to ON position by switching little switch above USB-C port from top to bottom. If screen is still blank, charge the remote control.

## Remote Control Functions:



### Choose Server

Button	Action
Left	Start game with player on left side of table serving
Right	Start game with player on right side of table serving
Select	Swap P1 and P2

### Scoring

Button	Action
Left	Add 1 point to left side of the table
Right	Add 1 point to right side of the table
Back	Undo last point

### End of Game

Button	Action
Select	Accept result and go to next game or end of match
Back	Undo last point

### End of Match

Button	Action
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Left	<b>Scroll up</b> the game points
Right	<b>Scroll down</b> the game points
Select	Accept and go to new match

## Timeout

Note: You have to be in Scoring screen.

Button	Action
Hold Left/Right	Will initiate 60 seconds timeout
Back	Finish timeout (Return to Scoring)

## Warm Up

Note: You have to be in Choose Server screen.

Button	Action
Hold Left/Right	Will initiate 2 minute timeout
Back	Cancel warm-up (i.e. Go back to Choose Server)

## Access Settings Screen

Steps	Action
1	Press and hold Select button
2	Press Back button to go back to previous screen

## Navigate in Settings

Button	Description
Left	<b>Move up</b> (previous item in menu)
Right	<b>Move down</b> (next item in menu)
Select	Select or change value for selected menu item
Back	Go back to previous screen

## Reset Game

In Scoring Screen:

Steps	Action
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1	Press and hold <b>Back</b> button (in Scoring screen)
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OR

Steps	Action
1	Go To Settings
2	Move down to select: <b>Reset Game</b>
3	Press <b>Select</b> button
4	Press either <b>Left/Right</b> button to select <b>Yes</b>
5	Press <b>Select</b> button

### Reset Match

Steps	Action
1	Go To Settings
2	Move down to select: <b>Reset Match</b>
3	Press <b>Select</b> button
4	Press either <b>Left/Right</b> button to select <b>Yes</b>
5	Press <b>Select</b> button

### Swap Server

Steps	Action
1	Go To Settings
2	Press <b>Select</b> button (note: red dot will be swapped)

### Swap Sides

Steps	Action
1	Go To Settings
2	Move down to highlight: <b>Swap Sides</b>
3	Press <b>Select</b> button (note: P1 and P2 will be swapped)

## Best of Sets

Steps	Action
1	Go To Settings
2	Move down to select: <b>Match</b> →
3	Press <b>Select</b> button
4	Use <b>Select</b> button to select desired number (3 or 5 or 7)
5	Press <b>Back</b> twice to go back to Scoring

## Sound: ON/OFF

Steps	Action
1	Go To Settings
2	Move down to select: <b>Display</b> →
3	Press <b>Select</b> button
4	Use <b>Select</b> button to toggle between <b>Y</b> and <b>N</b>
5	Press <b>Back</b> twice to go back to Scoring

## Show Clock

Steps	Action
1	Go To Settings
2	Move down to select: <b>Show Clock</b>
3	Press <b>Select</b> button

## Set Clock

Steps	Action
1	Go To Settings
2	Move down to select: <b>Clock</b> →
3	Press <b>Select</b> button
4	Press <b>Select</b> button
5	Use <b>Left/Right</b> button to decrease/increase numbers
6	Use <b>Select</b> to advance to next number



## FacingScr: Y/N

Steps	Action
1	Go To Settings
2	Move down to select: <b>Match</b> →
3	Press <b>Select</b> button
4	Move down to select <b>FacingScr</b> :
5	Press <b>Select</b> button to select <b>N</b>

OR

If you are in Scoring Screen, press Left and Right simultaneously and hold them to toggle until “Display Flipped” is shown on remote control.

Note that the scores on the remote control display are not “flipped” as they still correspond to left and right player on the table with respect to referee.

## Contact Information

For any inquiries, technical support, or warranty claims regarding your Pro TT score board, please don't hesitate to contact our dedicated Customer Support team. You can reach us via email at [support@ttproscore.com](mailto:support@ttproscore.com). Our knowledgeable representatives are standing by to assist you with any questions or concerns you may have. Thank you for choosing Pro TT—we're here to ensure your satisfaction with our products and services.

## Appendix

Throughout this manual we used Game and Set interchangeably.