

Electronic Scoring System

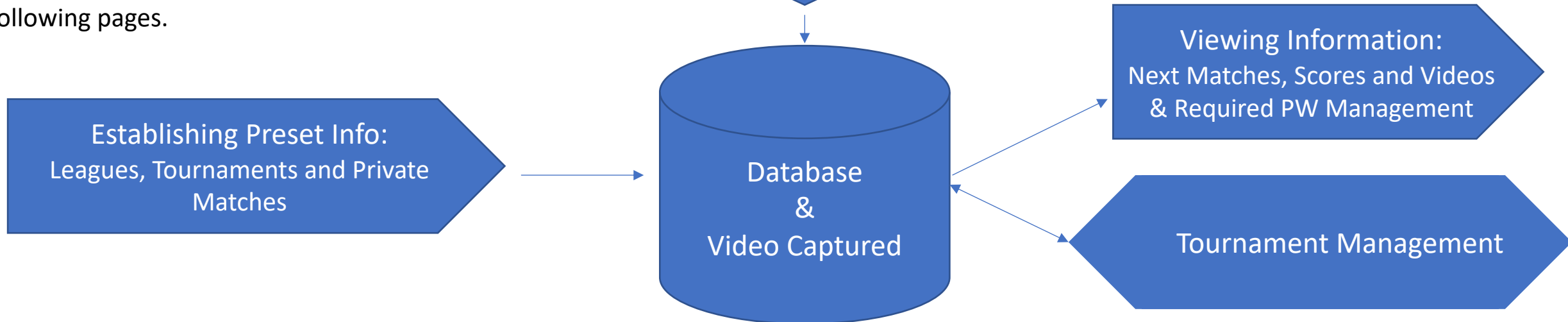
Leveraging Technology for the
Improved Enjoyment of the Game

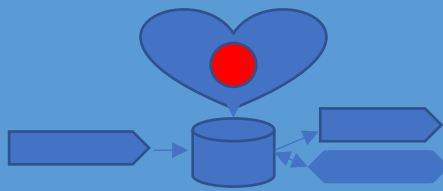
Developed By and Proudly Used since
2019 at the Bass River Tennis Club
Beverly MA



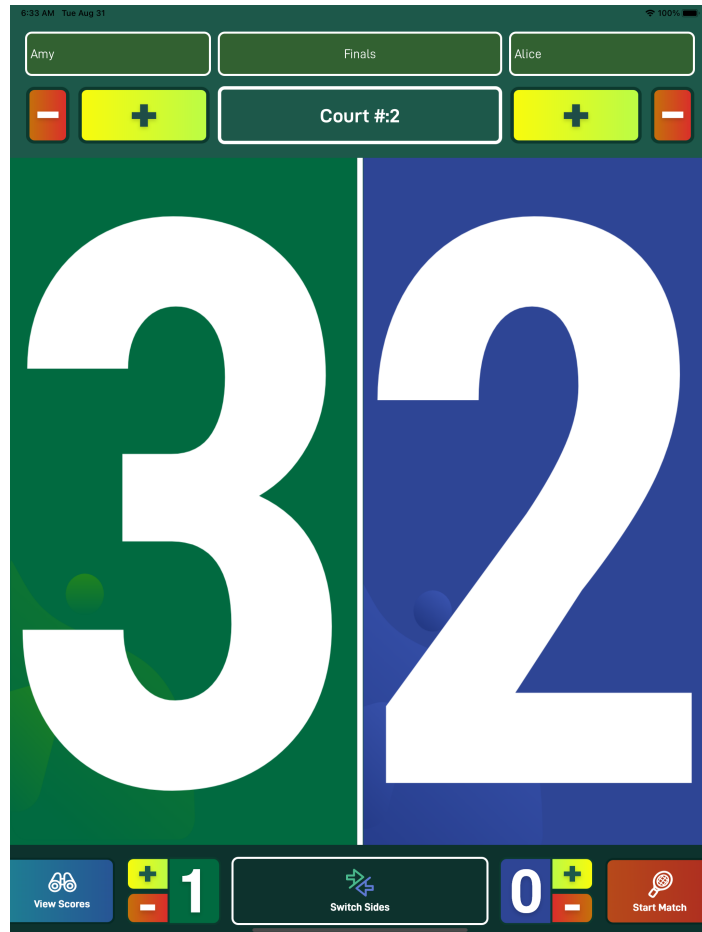
Electronic Scoring System Overview

The ESS is a patent pending Application that allows the iPad to replace the “flip-cards,” capture the information, and disseminate it throughout the club and remotely. The heart of the system is the scoring application and additional information is provided by the applications on the left below and displayed by applications on the right. The application is customized for each club including their logo, website link, specialized passwords, advertisements, and court count. Each area is described on the following pages.





Courtside Scoring & Reverse View



Tennis Scoring - Main



Tennis Scoring - Reverse

Courtside Scoring represents a major improvement over today's flip-cards and other manual courtside scoring techniques. It captures the scoring information and makes it available real-time to all allowed and interested parties on the courts, in the club, and remotely.

Game scores (main scores on the screen) are updated by pressing the larger +/- buttons over the game scores, while set scores (small numbers at the bottom of the screen) are updated by pressing the small +/- at the bottom of the screen.

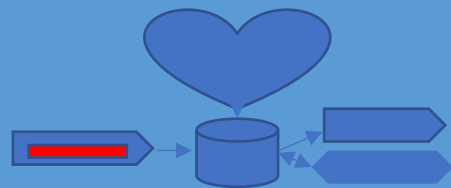
The "Switch Sides Arrow" at the middle of the bottom row switches the side where each player's information is displayed for easier distance viewing.

Courtside Scoring allows preset information (players' names and match information) to be set prior to going onto the court. It is loaded by pressing the "Start Match" button on the lower right of the screen. The "Start Match" button also initializes the scores including the game counts and set counts to zero.

Finally, scores on all courts, and/or selected courts, can be displayed by pressing the "Binoculars" on the left side of the bottom row.

Note, the reverse side scoring allows visibility to the score from the opposite direction. No entries are allowed on this screen. It simply reflects the other side's screen.

Capture the score with less effort than flipping traditional score cards!



Establishing Preset Information

7:19 AM Tue Aug 31
Tennis Control Enter Match Information

Member's Pre-Setting Information For Match

Court: 2 Match: Friendly

Home Team: John Visitor Team: Jim

Duration: 90

Instructions

1. For matches to be played within 1 hour
2. Enter information above
3. Press the correct "SET MATCH" blue button below
4. Press the "Start Match" button when at your court

Start Time: 07:30 Start Time: 08:00

SET MATCH SET MATCH

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Individual Preset Information

7:21 AM Tue Aug 31
Club Tennis Pre-Set (League, (Pro-Lessons, (Contracts, (Team Practices and (Other weekly Events for the Season

Enter Type & DOW for all. Enter for League: Home Team and info below. For other Types, Enter Start Date, End Date and other info below

Type: 1 Home Team Name: BRTC-B1 Day of Week: SAT Start Date: YMMDD End Date: YMMDD

CT #	Start Time	Duration	Match
1	12:30	90	Doubles 1
2	12:30	90	Doubles 2
3	12:30	60	Singles 1
CT#1	HHMM	30 to 120	Match
CT#1	HHMM	30 to 120	Match

Enter HOME Season Matches Below

Date	Visiting Team Name	Date	Visiting Team Name
220108	Webum	YMMDD	Visiting Team Name
220115	Newburyport	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name
YMMDD	Visiting Team Name	YMMDD	Visiting Team Name

LOAD INFORMATION

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Season Preset Information

7:27 AM Tue Aug 31
Tennis Control Update Pre-Loaded Match Information

Update League Matches
Date / Time and Any Court from Team Match Below

Date: 210831 Start Time: 08:00 Court #: 6 LOAD INFORMATION

Review Information Below AND Make needed changes

CT #	Start Time	Duration	Match	Home Team Names	Visiting Team Names	Action
8	08:00	90	D3	BRTC B1-D3	Winchester	UPDATE
6	08:00	90	D1	BRTC B1-D1	Winchester	UPDATE
7	08:00	90	D2	BRTC B1-D2	Winchester	UPDATE
CT#1	HHMM	30 to 120	Match	Home Team Name	Visiting Team Name	UPDATE
CT#1	HHMM	30 to 120	Match	Home Team Name	Visiting Team Name	UPDATE

Action for Top Row

1. Enter information from any of the courts included in the League Match and Press LOAD INFORMATION
2. Assuming valid entry, all of the League's Matches are loaded below including the selected Match above

Action for Each Row Above

1. Updating the court # to 0 deletes the particular row.
2. Modifying the court # and / or time results in deleting the original court and time and replacing it with the new court and time
3. Modifying fields other than the court and time results in the text fields being updated.

BASS RIVER TENNIS CLUB

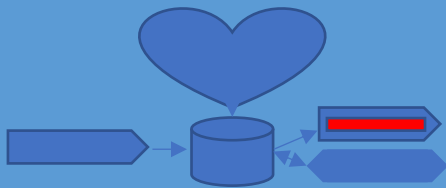
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League Match Preset Update

Tournament Player Preset

To allow the most efficient use of the system and the courts, players and the club can establish preset information. The preset information includes the names of the players and the match description. It is allowed for league matches, contracts, private lessons by pro's, and other weekly occurring events. When information is preset, the player only has to press the START MATCH button for this information to be set onto the scoring screen. If the preset information is not available, pressing START MATCH will initialize the scores, and then the players can enter the name and match information. Preset information is acquired from the player up to 1 hour prior to match start time, or it is acquired when the league matches were established at the beginning of the year for all home matches. It also can be updated prior to match time when the Update League function is used. Finally, as discussed on later slides, when tournaments are played and the next players are assigned, this information is preset. Preset information is also used to set up the Next Up Match Display screen.

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Viewing Scores, Videos and Next-Up

Tennis Control Video Password Inquiry and Set-up

Enter Court, Date and Start Time to Inquire or add/update Passwords

Court	Date of Match	Start Time	
5	21/06/22	11:15	RETRIEVE EXISTING PASSWORD

Update Information if Required

Duration	Requester
60	Grandpa Susie
Approver	Player(s) Being Watched
Heidi	Susie
Video Password	
Susie_1988	

ADD/REPLACE PASSWORD **DELETE OLD PASSWORD**

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Tennis Control All Courts Video View and Score Information

Draw Court	Player Names	Sets	Games
1	Carreno-Busta	1	6 4 0
	Shapovalov D	1	2 6 2

Court 1

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Tennis Control All Courts Video View and Score Information

Court	Player Names	Sets	Games
1	Carreno-Busta	1	6 4 0
2	Shapovalov D	1	2 6 2
3			
4			
5			
6			
7			

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Tennis Control Next Up Assignments For Pre-Registered Players

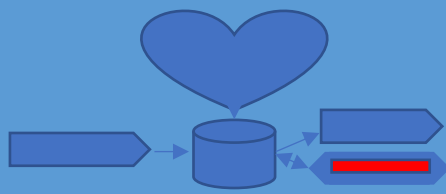
For Players with Pre-Registered Court Information Find Your Court# Below for Start at:

08:00

Court	Match	Home	Visiting
2	Friendly	John	Jim
6	D1	John & Steve	Winchester
7	D2	BRTC B1-D2	Winchester

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Viewing consists of both video images and scoring information per court. Video access is available on-site and through the members iPhone application. It is strictly controlled to protect privacy of the members. The rules are that any league match or tournament match can be viewed. Other matches, can only be viewed based on a password entered at viewing time, and its match to preset password created at the Club's desk. The screen on the far left is used to accept the password from the viewer and is entered at the desk to be "matched up" later. The second image shows the current score as well as a live streaming of the action on the court. The third image shows a list of selected courts and their players and the scores. If desired, scores on all courts can be displayed. Finally, the last image shows the players scheduled to play within the next half hour. On this slide are also advertisements with the left and right controlled by the club for potential revenue, and the center controlled by ESS for National type ads.



Tournament Management

< Tennis Control Review/Add Tournament Numbers

Tournament Code Date Duration Tournament Description

Tournament ID YY/MM/DD 30 to 120 Description UPDATE

Select	Tournament Code	Date	Duration	Tournament Description	Delete
SELECT	070	21/06/22	90	Friendly Tournament	x
SELECT	080	21/06/23	60	Friendly Tournament	x
SELECT	085	21/06/24	90	Friendly Tournament	x
SELECT	055	21/06/25	120	Friendly Tournament	x
SELECT	022	21/06/26	90	Friendly Tournament	x

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< Back Manage Tournament Information

Date Tournament ID Tournament Duration Tournament Name

21/06/22 070 90 New Liv Fr 90

CT#	Match Start	Round	Player	S	G	S	G	Opponent	Next Up Player	Next Up Opponent	Round	Action
CT#	HH:MM	Round	Player	0	0	0	0	Opponent	Next Up Player	Next Up Opponent	Round	Action
CT#	HH:MM	Round	Player	0	0	0	0	Opponent	Next Up Player	Next Up Opponent	Round	Action
CT#	HH:MM	Round	Player	0	0	0	0	Opponent	Next Up Player	Next Up Opponent	Round	Action
CT#	HH:MM	Round	Player	0	0	0	0	Opponent	Next Up Player	Next Up Opponent	Round	Action
CT#	HH:MM	Round	Player	0	0	0	0	Opponent	Next Up Player	Next Up Opponent	Round	Action
CT#	HH:MM	Round	Player	0	0	0	0	Opponent	Next Up Player	Next Up Opponent	Round	Action

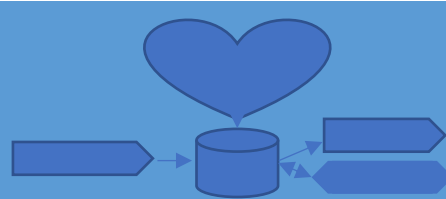
Action Instructions

1. Enter "UPD" to Update the information on the Row such as Name of Player or Match or...
2. Enter "NEXT" to Start the next Match on the Court between Next Player and Next Opponent assuming current match has completed or...
3. Enter "REMOVE" to Remove the Court from the Tournament

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The tournament director (TD) wants to: Preset matches on new courts or on those courts that appear to be finishing shortly to maximize court usage, and easily view the progress on the courts including detailed scores and video. The system provides control over each Tournament set up, and allows for up to 10 courts to be assigned to the tournament. The TD has the ability to assign players to the court, and indicate when they are to head out and start playing. Realtime scoring provides insight to ensure the courts are better used and the tournament flows smoothly. When the court is assigned, the preset information for the match is also established, and entered when the start match button is pressed.

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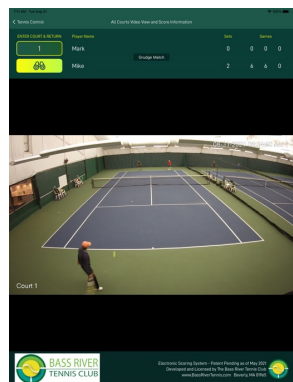


Members iPhone Application

Tennis Control Court Player and Score Information

All Courts Selected Courts

Court	Player Names	Match	Sets	Games
1			0	1 0 0
			0	3 0 0
	mike		0	0 0 0



2:28

Enter Match Information

Member's Pre-Setting Information For Match

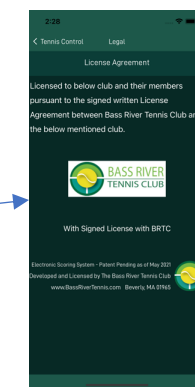
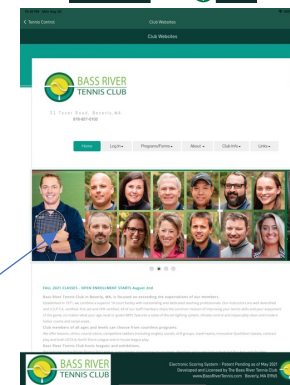
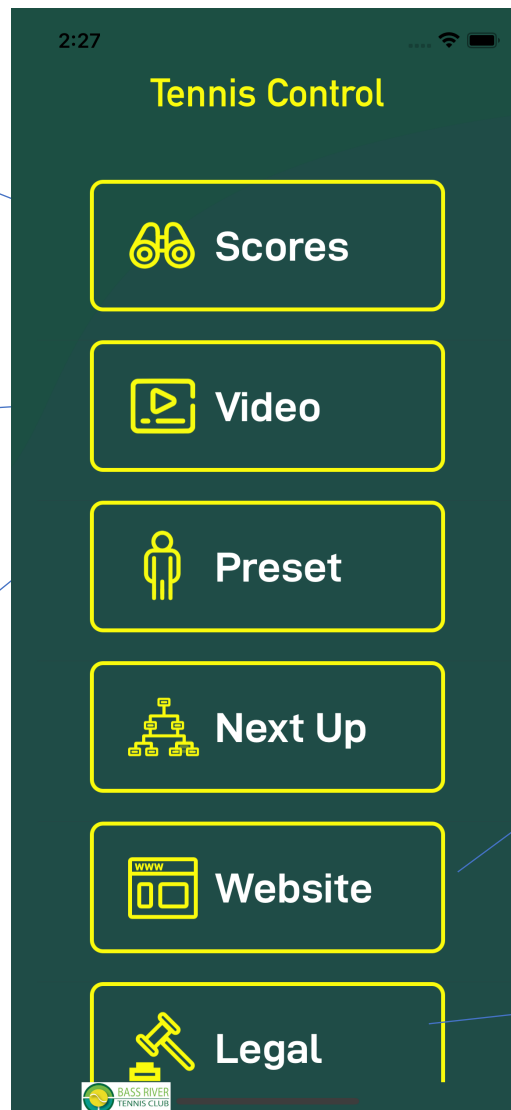
Court: Match: Match Type

Home Team: Visitor Team

Duration: 00:00

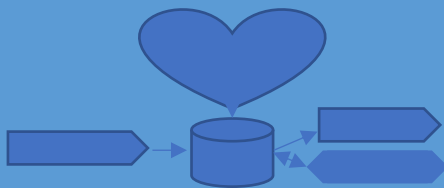
Start Time: 14:30 Start Time: 15:00

SET MATCH SET MATCH



Members will be provided an iPhone or Android App which gives them direct access to several of the key functions of the system. Specifically, they will be able to view scores on all courts and videos as per the rules discussed earlier. They will be able to preset their own matches (assuming they are not Tournament or league matches) that are occurring in the next hour. They will be able to determine the matches playing in the next half hour, the club's website, and basic legal information referencing licensing and patent status.

Member's menu and key functions to stay connected.

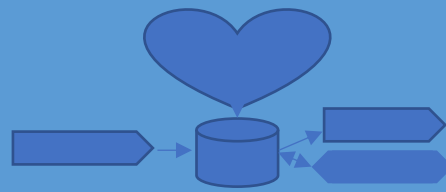


Initial and Annual Costs

Hardware	Minimum Required	Additional Considerations
Base System w/o Video	<ul style="list-style-type: none"> WIFI at all Courts iPad at each court for scoring* Additional iPads for Control Desk 	<ul style="list-style-type: none"> 2nd iPad at each court for reverse side Additional iPads / Monitors for Display iPad locking hardware & Attachments Battery or electric wiring connected
Video Addition	<ul style="list-style-type: none"> IP Camera System on each court 	<ul style="list-style-type: none"> Enhanced Video Camera capability Ethernet hardwiring to cameras Leveraging additional cameras for security

* Note: Since iPads are being used for a single application, refurbished older models are usable.

Annual Licensing Fee	Base System w/o Video	Video System added Later	Full System
Staff & Tournament Software	\$300 per court	\$175 per court	\$450 per court
Member Software on iPhones	No Charge	No Charge	No Charge



Opportunities to Offset Costs

Possible Potential Offsets Among Others



There are many real benefits to offset the costs.

- Local Ad revenue for advertisements on video screen. Would run in dedicated area of the screen. Note, each club will have option not to run ads.
- Match video Sales – Sale of Video tape of match within week of playing
- Insurance / loss reductions due to using camera system for loss prevention and potential insurance cost reductions
- Additional tournament revenue due to site friendliness
- Perceived value of club increases as club demonstrates commitment to the sport and future, and provides Members' App



Thank you for your support. If interested, we can have you live within days of your installing the iPads and cameras.

For further information please contact either Mark Greenberg or Mike LaPierre at the Bass River Tennis Club 978-927-0102

Mark – Mark@BassRiverTennis.com

Mike – Mike@BassRiverTennis.com