

iVotronic Presentation

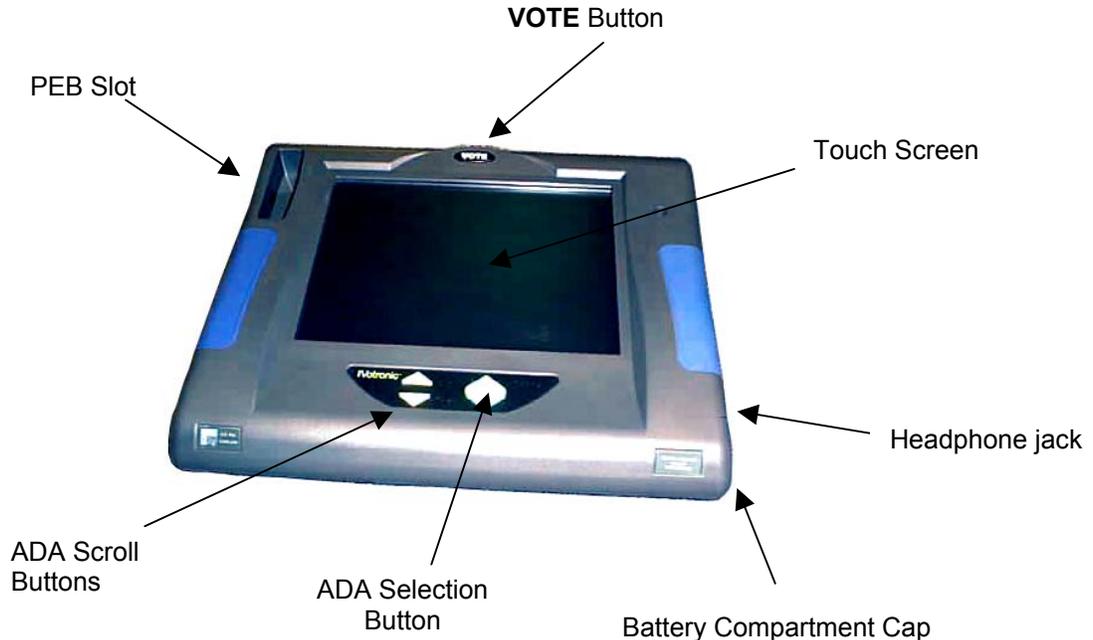
Supervisor and Voter Terminals

There are two distinct iVotronic terminals and PEBs. Supervisor terminals and PEBs are red and Voter terminals and PEBs are blue. Supervisor PEBs contain all of the ballot data for your election. Poll workers use supervisor equipment to open polls, load ballots onto voter PEBs or voting terminals, close the polls, and print results for the polling place.

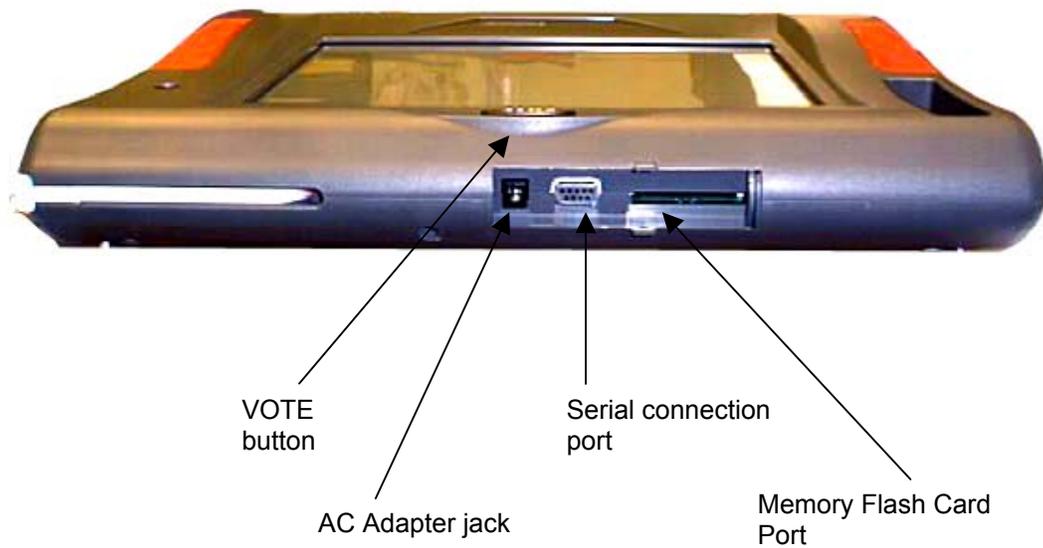
Voters use voter terminals and PEBs to cast ballots. Voters press targets on the iVotronic screen to select ballot responses. Voters press the red VOTE button or the on-screen vote button to cast ballots after they make ballot selections. You can also configure the iVotronic to use an audible ballot to comply with the Americans with Disabilities Act. See “Appendix A: ADA Functions” for instructions for using an audible ballot.

The iVotronic terminal activates and performs a self-test when you insert a PEB into the PEB slot. You can activate the terminal in either service mode or election mode. By design, you can insert PEBs in one direction only. When you remove a PEB, the terminal deactivates until you reinsert the PEB.

iVotronic Terminal with Audio Ballot Features



iVotronic Terminal Back View



Note: Always make sure the iVotronic is off before inserting or removing a memory flash card.

15-inch iVotronic



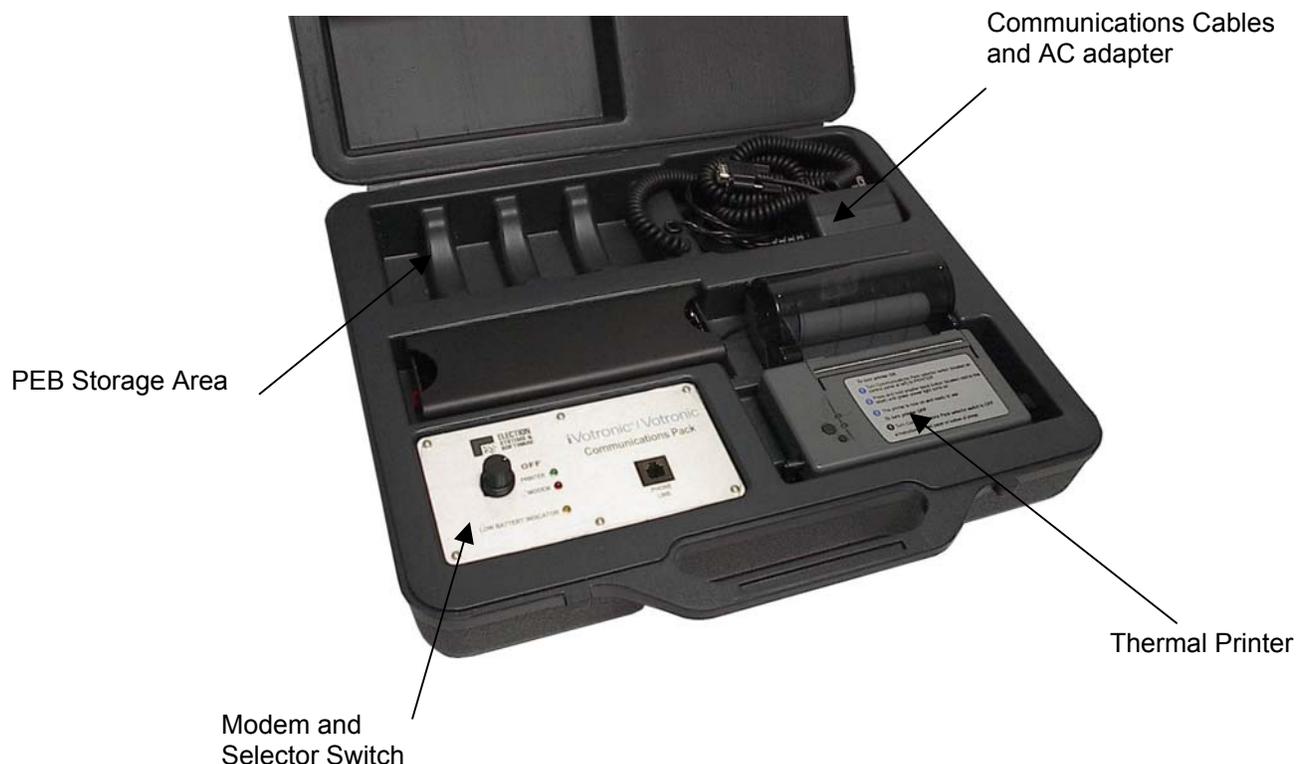
12-inch iVotronic



Communications Pack

The iVotronic communications pack contains a printer and an optional modem. A battery pack inside the communication pack powers the printer, or you can use the AC adapter to plug the Communications pack into a wall outlet. Use the printer to produce Election Day reports including the zero report and the polling place results report.

Communications Pack



Supervisor and Voter PEBs (Personalized Electronic Ballot)

A Personal Electronic Ballot (PEB) is a portable cartridge fitted with an infrared communications window and a flash memory chip. Supervisor PEBs contain specific ballot data for each election. They open the polls, load the ballot onto a voter terminal and enable the service mode for administrative functions.

Voter PEBs contain the ballot in the Voter activated ballot-loading system, where the poll worker gives the PEB to the voter, who uses it to load the ballot onto a voter terminal.

PEB Front View



PEB Back View

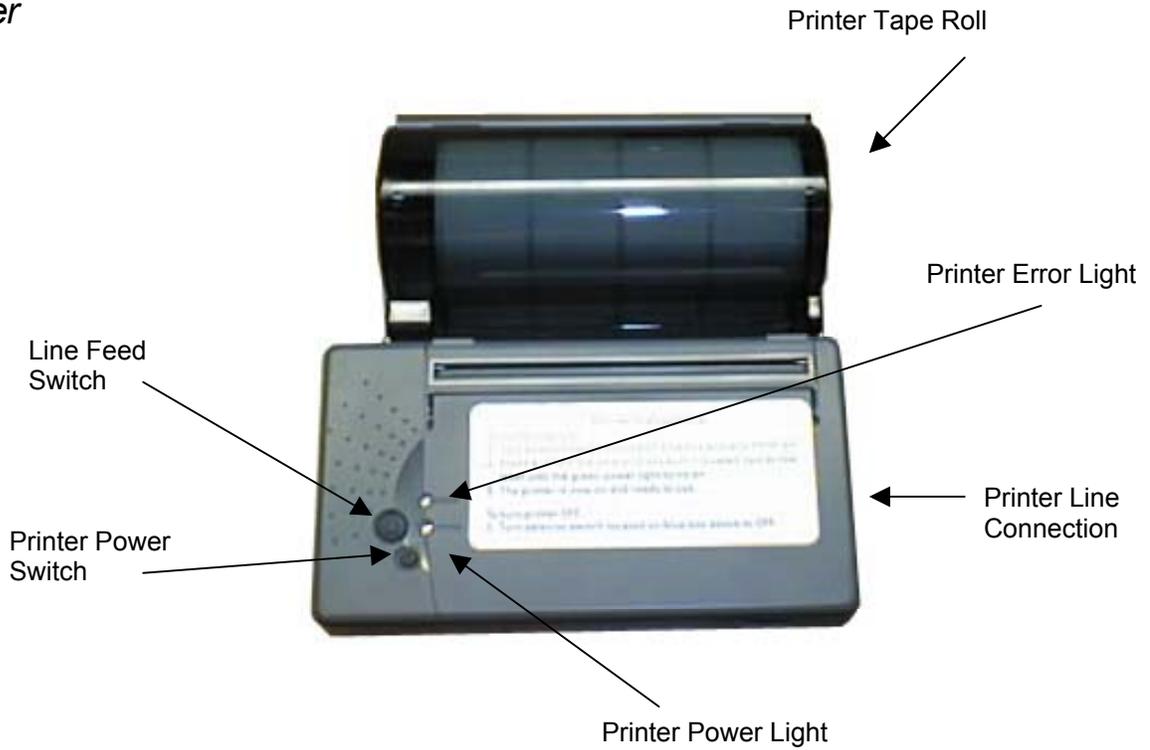


Infrared communication window



Caution: Do not stack PEBs with the infrared communication windows adjacent to each other; this will damage the PEB.

Printer



Modem and Selector Switch



PEB Reader

The PEB reader connects to a PC so that you can upload election results from a PEB to the PC.



Compact Flash Card

The iVotronic uses SanDisk flash cards as external memory devices. Flash cards store wave files for audio ballots, bitmap files for graphic ballots and election definition files for very large text or graphic ballot elections. If the compact flash card does not match the election data on a PEB, or a compact flash card is missing a warning message appears. The iVotronic file system can only read FAT12 or FAT16 formatted flash cards.

Note: Only use SanDisk industrial grade flash cards in the iVotronic. If you use flash cards to read audit data into the Election Programming Manager, you will need an ImageMate, Model No. SDDR-91 compact flash card reader/writer from SanDisk.

Note: If a flash card is re-inserted that contains different files, but has the same election identification; a message will appear that allows you to re-index the files. Call ES&S or the election administrator before you re-index the file system.

Flash Card



Caution: Always make sure the iVotronic is off and unplugged before inserting or removing a memory flash card.

Assembled iVotronic Voting Booth



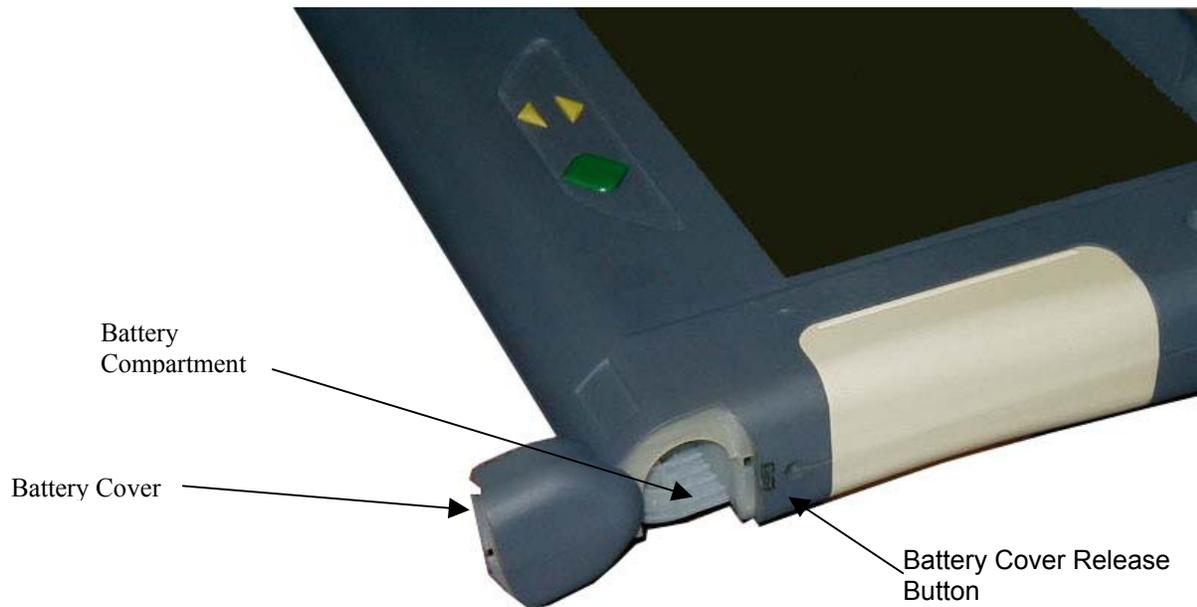
-
2. Unplug the adapter after 12 hours for a full charge. Plug the adapter into a wall socket during voting to charge the terminal during use.

To replace terminal batteries



Caution: The battery can explode if you replace it incorrectly. Only replace the battery with the battery type recommended by ES&S. Dispose of used batteries properly.

1. Locate the battery cover on the right side of the terminal.



2. Press the battery cover release button and turn the cover clockwise until the battery pack easily slides in and out of the battery compartment.
3. Disconnect the snap connector and slide the battery pack out of the terminal.
4. Insert the flat (negative) end of the new NiMh battery pack into the terminal first and then reconnect the snap connector.
5. Turn the battery cover counterclockwise until it snaps into place. Make sure the cover closes completely.

Note: Have extra battery packs on-hand during an election to replace defective batteries. You can purchase extra battery packs from ES&S.

To replace communications pack batteries

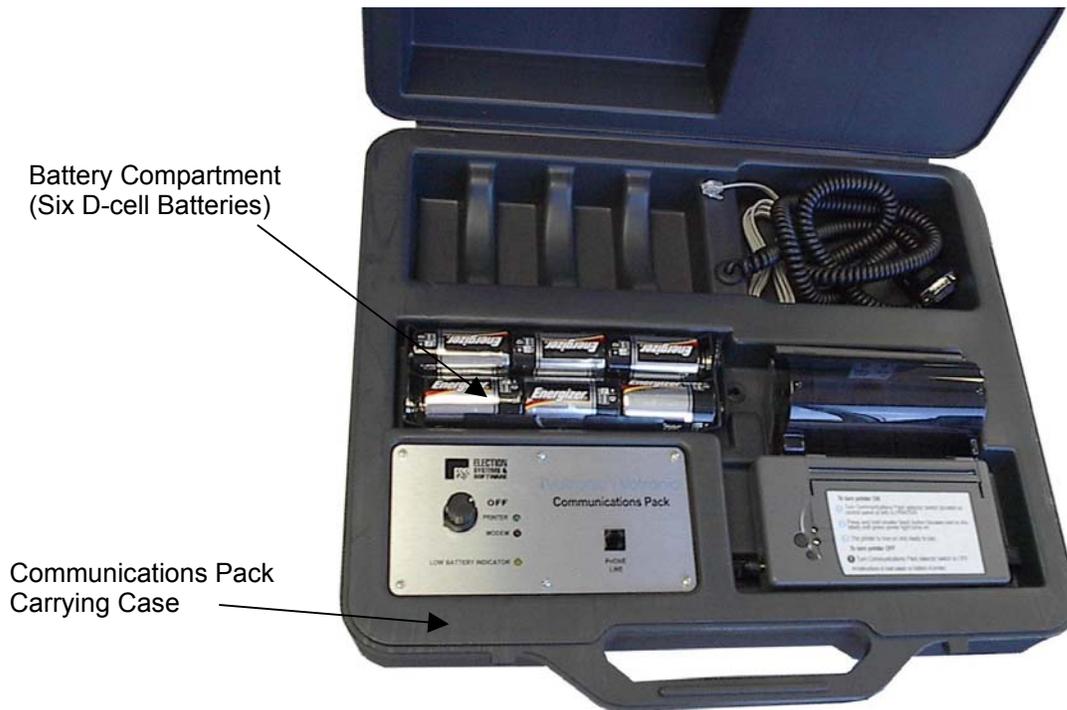
Remove batteries from the Communications after each election and install fresh D-cell batteries before each election..

Note: If you use the AC adapter with your communications pack you do not need to install batteries, however ES&S recommends that you have batteries available in case of power outage.



Caution: Danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type of battery recommended by ES&S. Dispose of used batteries properly.

1. Open the battery compartment located above the selector switch.
2. Remove the old batteries if they are present.



3. Install new D-cell alkaline batteries. A diagram on the inside of the battery holder indicates the correct orientation of the batteries. The negative (-) ends of the batteries point toward the spring-loaded ends of the battery holder.

Note: Make sure that you only use *name brand D-cell alkaline* batteries in the Communications Pack. ES&S does not provide batteries for the Communications Pack.

Poll Worker Election Day Procedures

Election Day procedures are similar for both the Poll Worker Activated System and the Voter Activated System. The steps that follow will indicate which ballot loading system they refer to when the steps differ. Perform the steps in the sequence that they appear.

Assembling the Voting Booth

Set up your voting booths well in advance of the poll opening time. Use two people if possible to set up the booths more easily.

iVotronic Carrying Case Rear View

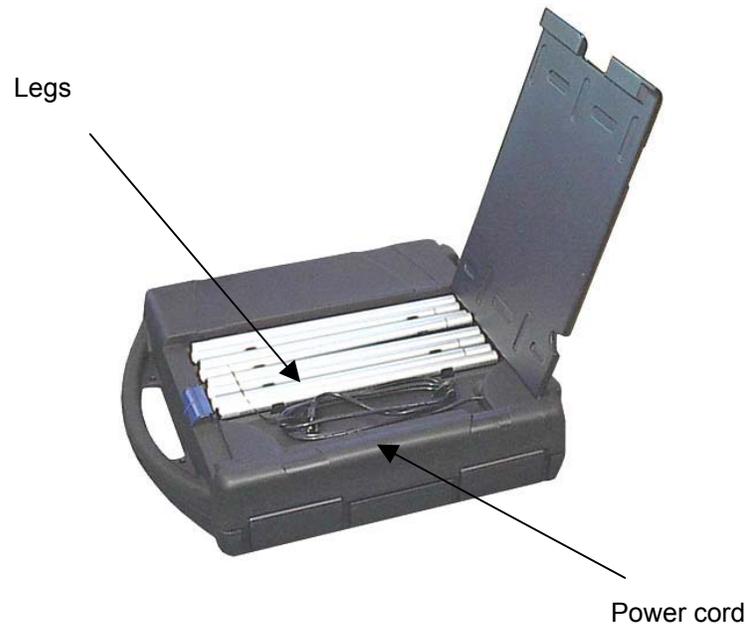


iVotronic Carrying Case Front View



1. Slide the blue latch to open the outside compartment of the voting booth that stores the legs and the power cord for the booth.

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2. Remove the legs and unwrap the power cord. Close and latch the compartment lid, placing the cord through the notch in the lid.



3. Assemble the legs of the iVotronic by pulling the legs apart and inserting the lower halves of the legs into the upper halves.
4. Firmly insert each leg, black end first, into a socket on the bottom of the case.



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5. Hold the case by one of the front legs and the case handle and carefully flip the case right-side up and set it on the floor.



6. Make sure that the iVotronic rests steadily on its legs, then open the case and assemble the privacy screens. Tilt the cover slightly forward so that the back of each side screen fits inside the cover.



7. Set the booth in a desired location. Place the iVotronic in the foam inset and plug it in at least 24 hours before the election to charge the batteries. You can connect up to ten booths before plugging the cord into an outlet. Connect your terminals to an AC power source for the entire election if possible.

Opening the Polls

Make sure you have the following equipment at your polling place, based on which ballot loading method you use.

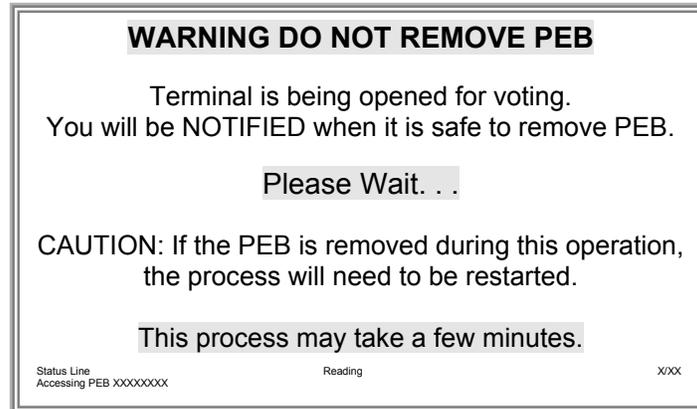
| Poll Worker Activated System | Voter Activated System |
|---|--|
| <ul style="list-style-type: none">• Blue voter terminal• Red master PEB• Red supervisor PEB• Communications Pack | <ul style="list-style-type: none">• Blue voter terminals• Blue voter PEBs• Red master PEB• Red supervisor PEBs• Red supervisor terminals• Communications Pack |

Note: If you have a large election that requires more than a few minutes for poll opening, ES&S recommends that you open the polls the night before Election Day, and then lock the terminal until you are ready for voting to begin.

For additional security, use an Intab tamper seal. The seal slips through the two eyelets above and under the CompactFlash door. With the seal in place, the door cannot be slid open to access the CompactFlash drive without breaking the seal.

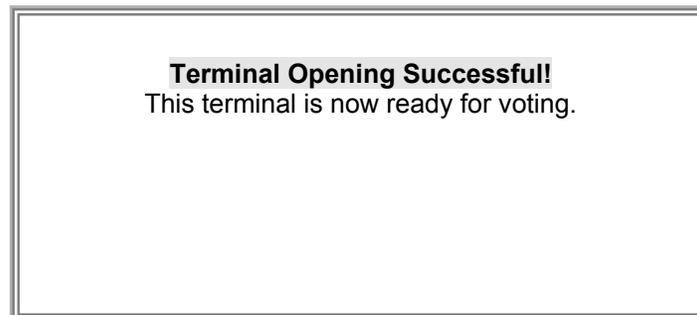
-
2. Verify the polling location name at the top-center of the screen.
Choose one of the following options:
 - If the polling location name is not correct, call election headquarters immediately and press **No**.
 - If the polling location name is correct, press **Yes**. The terminal opening screen appears as shown below.

Terminal Opening Screen



The message “Terminal Opening Successful!” will appear when the opening process is complete, as shown below.

Terminal Opening Successful Screen



3. The Terminal Opening Successful screen displays briefly, then the Print Zero Tape screen displays as shown below. Press **NO** unless this is the last terminal you are opening. If this is the last terminal, proceed to the “Printing a Zero Tape” section below.

Note: In the voter activated system only the supervisor terminal displays the print zero tape message, and you must remove the PEB from the voter terminals after they are successfully opened.

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4. Open all of the voter terminals in the same manner. If you are using the Voter Activated System, open the supervisor terminals after opening all of the voter terminals. Check the precinct name before pressing **Yes** to open each terminal.

Printing a Zero Tape

1. When you have successfully opened the last terminal (a voter terminal in the Poll Worker Activated System; a supervisor terminal in the Voter Activated System), re-insert the master PEB if it is not in the PEB slot. The Print Zero Tape screen appears.

Print Zero Tape Screen

Print polling location zero tapes now?

Yes

No

2. Press **YES**. Connect the last terminal you open to the communications pack and turn the switch to **Printer**. Follow the screen instructions to print the Zero Report.

Note: The election definition determines which terminals will print a zero tape, and if the zero report reflects an individual terminal or the polling place. In the Voter Activated System the voter terminals will not allow you to print a zero tape.

Zero Report

| | |
|---|--|
| <pre> Terminal S/N: V5122262-> PEB S/N PS139216_ (FMW 1.07) Software Version 9.0.0.0ZF Created 06/29/04 12:55 Copyright ES&S, Inc. 1993-2004 All Rights Reserved Diagnostic check completed: OK iVotronic II MULTI-LANGUAGE SP TEXT ELECTION TERMINAL ZERO TAPE Public Count Statistics Total Ballots Cast: 0 Total Coded Ballots: 0 Total Ballots Counted: 0 Number of Terminals Opened: 0 Individual Voter Terminal Data S/N V5122262 Public Count: Protective Count: OPENED 10:53:40 07/02/2004 ***** PRECINCT: Precinct 1 Public Count: 0 Ballot Style Counts Ballot Style #1 0 STRAIGHT PARTY (Vote for 1) Total: 0 Rep-Republican Party 0 Dem-Democratic Party 0 Lib- Libertarian Party 0 Soc- Socialist Party 0 Undervotes For Above contest: 0 SENATOR (Vote for 1) Total: 0 Rep-JOHN DOE 0 Dem-HARRY SMITH 0 </pre> | <pre> Lib- BOB LILLY 0 Soc-RENEE NEWS 0 >Write-Ins in above contest: 0 UnderVotes For Above contest: 0 ***** PRECINCT: Precinct 2 Public Count: 0 Ballot Style Counts Ballot Style #2 0 STRAIGHT PARTY (Vote for 1) Total: 0 Rep-Republican Party 0 Dem-Democratic Party 0 Lib- Libertarian Party 2 Soc- Socialist Party 0 Undervotes For Above contest: 0 SENATOR (Vote for 1) Total: 0 Rep-JOHN DOE 0 Dem-HARRY SMITH 0 Lib- BOB LILLY 0 Soc-RENEE NEWS 0 >Write-Ins in above contest: 0 UnderVotes For Above contest: 0 Time/Date: 11:56:31 07/02/2004 Signature: _____ Signature: _____ Signature: _____ Signature: _____ </pre> |
|---|--|

Loading a Ballot

The ballot activation process is different for a Poll Worker Activated System and a Voter Activated system. In the Poll Worker Activated System, a poll worker loads the ballot onto the voter terminal with a red supervisor PEB. In the Voter Activated System, a poll worker loads the ballot onto a blue voter PEB and then the voter loads the ballot onto the voter terminal by inserting the voter PEB.

Note: If you are using a high contrast zoom ballot and have not enabled the terminal for an audio ballot, you will have to enable the zoom selection screen *before* you load a ballot.

Loading a Ballot Using the Poll Worker Activated System

1. Verify voter registration and then accompany the registered voter to any empty voter terminal.
2. Insert a red supervisor PEB into the voter terminal to activate the ballot. Select the correct ballot for the voter if your polling place uses multiple ballots. Confirm the ballot selection when prompted. The message “Please remove Supervisor PEB” appears.
3. Remove the PEB and step aside so the voter may cast a ballot in privacy. If the ballot is available in more than one language, the language selection screen appears and the voter can select their language.

If zoom mode is enabled the voter can select large (zoom) text, or standard text (when your election uses text ballots).

Note: Maintain at least one poll worker with a supervisor PEB for every 2-3 voter terminals at your polling place.

Loading a Ballot Using the Voter Activated System

1. Verify voter registration.
2. Insert a blue voter PEB into your red supervisor terminal. A ballot selection screen appears if your polling place uses multiple ballots. Select the correct ballot for the voter and confirm the selection when prompted. Remove the PEB when the message “Ballot is now loaded for voter use” appears.
3. Instruct the voter to take their PEB to the next available voting booth and insert it into the PEB slot. If multiple languages are available, the voter will be able to select a language. If zoom mode is enabled the voter can select large (zoom) text, or standard text (when your election uses text ballots). The ballot will load automatically on the voter terminal and the voter may cast the ballot.
4. When finished, the voter returns their voter PEB to a poll worker.

Note: If your election is set up for ‘keyed precincts’ the poll worker will enter the precinct number before selecting a precinct.

Poll Worker Ballot and Precinct Selection Screens

If the polling place has more than one precinct or ballot style, a selection screen appears when you insert the PEB to load a ballot. Select the appropriate precinct or ballot for the voter to load the correct ballot onto a voter terminal or PEB. The only differences between these selection screens are the options available.

Ballot Selection Screen

Ballot Selection Menu

- Coded Ballot
- Republican Party - Ward 1
- Democratic Party - Ward 1
- Republican Party - Ward 8
- Democratic Party - Ward 8

Coding a Ballot

Election officials code ballots when questions about a voter's eligibility arise. The iVotronic stores ballot codes in the terminal's audit data so that the election officials can review the coded ballot for eligibility after the polls close. Select the **Coded Ballot** box to attach a code to a voter's ballot. Enter a code in the alphanumeric code entry screen.

Voter Language, Zoom, and Open Primary Ballot Selection Screens

If a ballot includes multiple languages, or the zoom option is enabled, the voter will be able to select their language and select large (zoom) text. If the election is an open primary where voters are allowed to view each party's ballot, they will be able select the ballots to view before confirming the one that they want to vote on.

Voting

The voter terminal reads the ballot from the precinct-specific PEB (supervisor or voter) and displays it to the voter on the screen. Ballots appear in either one or two column format and use multiple screens. See the instructions in Appendix C and Appendix D for voting instructions for the Poll Worker Activated System and the Voter Activated System.

Voters press the ballot target or the ballot selection text to choose candidates and ballot options. An X or check mark appears in the ballot target and the selection text highlights when a voter selects a ballot option. This gives the voter an opportunity to verify that the iVotronic has registered their selection.

The voter may cancel a selection by pressing the ballot target or name for a second time. The X or checkmark in the ballot target disappears and the selection text returns to normal when a voter cancels a ballot option. A sample ballot display screen appears below:

Ballot display screen

| SAMPLE BALLOT | |
|---|---|
| For UNITED STATES SENATOR (You May Vote for One) | For GOVERNOR (You May Vote for One) |
| Tom JEFFERSON.....DEM <input type="checkbox"/> | Jim MADISON.....DEM <input type="checkbox"/> |
| Vivian LEIGH.....REP <input type="checkbox"/> | Clark GABLE.....REP <input type="checkbox"/> |
| Write-In <input type="checkbox"/> | Mark McGWIRE.....OTH <input type="checkbox"/> |
| 3. Do you like Major League Baseball? | |
| YES..... <input type="checkbox"/> | NO..... <input type="checkbox"/> |
| PREVIOUS PAGE | PAGE 2 OF 3 |
| | Public Count 10 |
| | NEXT PAGE |

Automatic Over-Vote Protection

An over-vote occurs when a voter selects more than the allowed number of candidates in a contest. For example, if a city council election allows a voter to select two candidates and the voter selects three, the voter commits an over-vote.

The iVotronic responds to an over-vote in one of two ways. The iVotronic notifies the voter of the over-vote and requires the voter to cancel a selection, or the terminal automatically cancels the voter's first selection when the voter selects a second option.

The Write-In Vote

The Write-In Vote screen appears when the voter selects a write-in option.

The image shows a screen titled "Write-In Instructions" with the following text: "Press (Letters), (Space), (Backspace) as desired. Press (Accept) or (Cancel) when you are done." Below the text is a large, empty, rounded rectangular input field. Underneath the input field is a keyboard layout with the following keys: Q, W, E, R, T, Y, U, I, O, P; A, S, D, F, G, H, J, K, L; Z, X, C, V, B, N, M; 0, 1, 2, 3, 4, 5, 6, 7, 8, 9; and a row of four keys: a key with a dash and underline, a key with a dash, a key with a dash, and a key with an apostrophe. Below the keyboard are four buttons: SPACE, BACKSPACE, CANCEL, and ACCEPT.

The voter touches letters and numbers on the Write-In Vote screen to spell the name of a desired candidate. The voter touches **ACCEPT** to cast the write in vote and return to the ballot. The name of the write-in candidate appears in place of the empty write-in space with an X in the ballot target.

To cancel a Write-In selection, the voter presses the corresponding ballot target or name a second time. The blank write-in space reappears. The voter may then vote for another candidate, or press the Write-In vote box again to select another Write-In candidate.

Viewing All Ballot Pages

Voters must view all ballot pages before casting the ballot, which eliminates the unintentional casting of incomplete ballots. If the voter presses the VOTE button before viewing the last ballot page, the voter terminal displays the message, “You must view all pages before casting your vote.” The voter presses a box in the notification screen to return to the ballot screen.

View all pages notification screen

You must view all pages before casting your vote.

Press box at the right to continue voting .

The Summary Review Ballot

A summary page appears after the voter scrolls through all of the ballot pages. In a multi-vote for contest the summary review page can display generic candidate selections (“2 candidates selected”), or it can display expanded candidate selections (“*Joe Smith*,” “*Al Henry*,” if the expanded summary option is flagged in the election definition as shown in the example below.

Summary Ballot Instructions
Press the candidate name or contest title to Return to a contest.

Vote button will light up when you may cast your ballot.

Press here to cast your ballot now.

PRESIDENT.....☒
John Doe

Governor.....☒
Jane Smith

School Board.....☒
3 Selections allowed
Jim Johnson
Kate Cole
Ira Capon

Previous Page

Summary Ballot Page
1 of 1

Voters use the review ballot to change ballot selections. Voters press the contest name or the box to the right of the contest name of the selection they want to change. A screen that contains only the selected contest appears. The voter selects a new ballot option and returns to the summary review screen. Once a voter has viewed the entire summary review ballot, they can cast their ballot by pressing the VOTE button.

Note: You can turn off the summary review ballot option in the election definition. The display of the summary page information depends on the election settings. The image shown is an example only.

Casting the Ballot

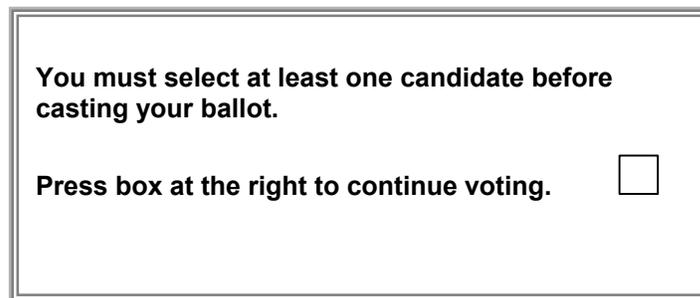
The **VOTE** button lights up when the voter has viewed and voted the ballot properly. The voter can cast the ballot while they are viewing any ballot screen, except the write-in screen, once the **VOTE** button lights up.

In addition, the **Press Here to Cast Your Ballot Now** button also allows the voter to cast the ballot on the screen.

You can program the iVotronic to accept or reject blank ballots. Before accepting a blank ballot, the terminal displays a warning message. The voter presses the **VOTE** button to cast the blank ballot, or touches the screen to return to the ballot.

If you program your election to reject blank ballots, the following screen appears when a voter who has not made a ballot selection presses the **VOTE** button:

Blank Ballot Notification Screen



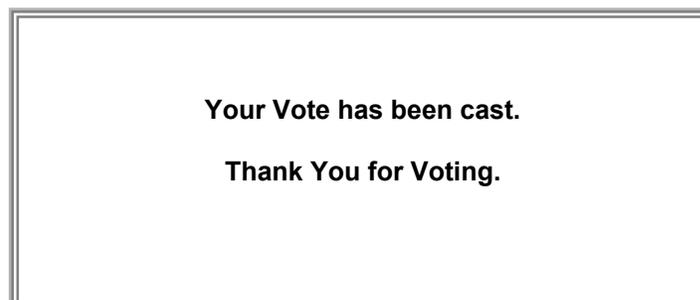
You must select at least one candidate before casting your ballot.

Press box at the right to continue voting.

The voter presses the box to return to the ballot.

Once the **VOTE** button lights up and the voter casts the ballot, the message shown below appears. The terminal then powers down automatically. For each ballot cast, the iVotronic increments the public count by one.

Thank You screen



Your Vote has been cast.

Thank You for Voting.

To cancel an abandoned ballot

1. Insert the supervisor PEB. Remove the voter PEB first if it is still in the terminal. The terminal displays the message “Last ballot was not cast” and gives you two options: “**Cast Ballot**” or “**Cancel Ballot.**”
2. Press **Cancel Ballot**. The terminal displays the message: “Cancel Ballot?” Press **Yes**. The terminal will cancel the ballot and the Public Count will increment.
3. Remove the PEB when the “Please remove PEB. Vote was not cast” message appears.

Note: Press the screen if it goes blank after inserting the supervisor PEB.

Closing or Locking the Polls

Lock the polls to prevent voting, and to store the iVotronic overnight without having to collect results, or close the polls after the official close time to access the election results. You can also close polls early.

Locking Terminals

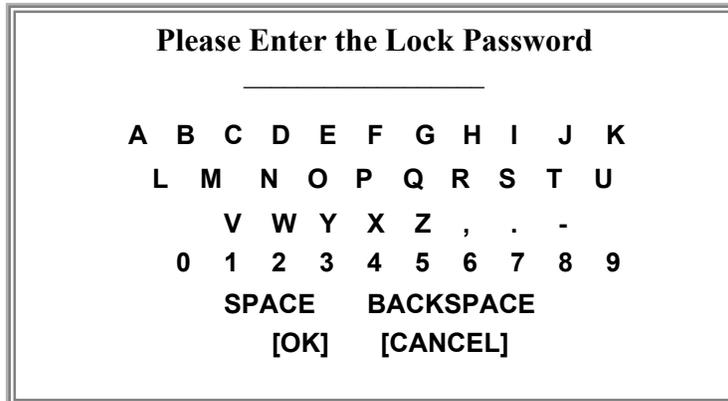
You may need to lock a terminal to prevent voting under various circumstances. Both locking and unlocking the terminal require a password.

Note: If you have a large election that requires more than a few minutes for poll opening, ES&S recommends that you open the polls the night before Election Day, and lock the terminal until you are ready for voting to begin.

To lock a terminal

1. In a Voter Activated System, insert the red master PEB into the terminal while holding down the VOTE button. The Terminal Menu will appear.
2. Press the **Lock Terminal** Option. The Override Password Screen appears.

Lock Password Screen



The screenshot shows a terminal window titled "Please Enter the Lock Password". Below the title is a horizontal line. The keypad layout is as follows:

| | | | | | | | | | | |
|---|-------|---|---|-----------|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K |
| L | M | N | O | P | Q | R | S | T | U | |
| | V | W | Y | X | Z | , | . | - | | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
| | SPACE | | | BACKSPACE | | | | | | |
| | [OK] | | | [CANCEL] | | | | | | |

3. Enter the override password (contact ES&S or your election administrator for the password) and press **OK**. The message "Please remove PEB. Terminal Locked for Voting" appears.

To unlock a terminal

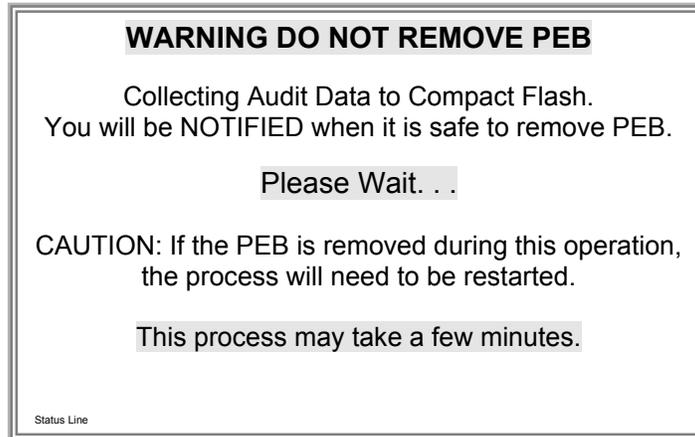
1. In a Voter Activated System, insert the red master PEB into the terminal while holding down the VOTE button. The Terminal Menu will appear. When a terminal has been locked, the user need only insert the PEB. The password screen will be displayed requiring the Unlock password. Once input correctly, the system will be available for voting. The user only needs to go into the terminal menu when the decision is made to Lock the terminal.
2. Enter the unlock password. The message "Please remove PEB. Terminal is now open for Voting" appears.

Closing Terminals Early

When you open the polls, the red master PEB programs each voter terminal with the correct poll closing time. You cannot close the polls early without an override password.

The terminal then begins collecting audit data to the compact flash if a compact flash card is present, as shown below. Do not remove the PEB during this process until prompted to do so.

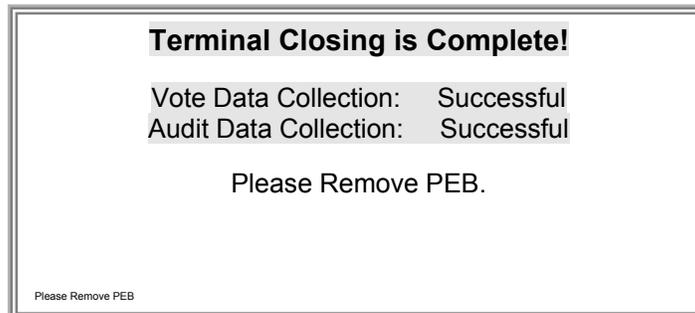
Collecting Audit Data Screen



The message “Terminal Closing Complete” appears when the vote and audit data collection is complete as shown below.

Note: If there is not a flash card in the terminal the vote data will still be collected to the PEB. The audit data will not transfer to a flash card, but you can retrieve it from the terminal using the Terminal Menu functionality.

Terminal Closing Complete Screen



5. Remove the PEB after the “Terminal Closing is Complete” message appears.

Note: The Election Administrator can change the Override password for each election.

Closing Terminals at the Official Time

1. Insert the red master PEB into a voting terminal to close the polls. The Close Option Menu screen appears if you insert the PEB after the official polls close time.

Close Option Screen

Close Option Menu

Close the Polls

Exit this Menu

8:47:22 07/28/2005 Terminal S/N: V102832-A PEB S/N: PS106093-B
Software Version 9.0.0.0ZHCreated 07/20/04 10:00
Copyright ES&S, Inc. 1993-2004. All Rights Reserved.

Battery Voltage: 7.26V OK

2. If all voters have finished voting, press **Close the Polls** and proceed to the next step. If voters are still waiting to vote, press **Exit this Menu** and load the ballot. The following screen appears when you select **Close the Polls**.

Preparing to Collect Votes to PEB screen

WARNING DO NOT REMOVE PEB

Preparing to collect votes to PEB.
You will be NOTIFIED when it is safe to remove PEB.

Please Wait. . .

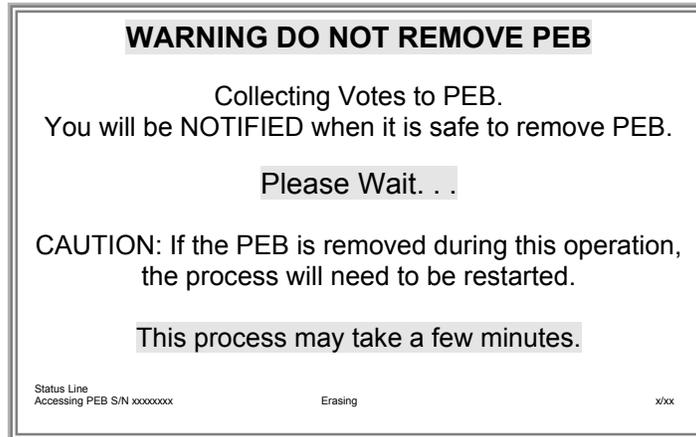
CAUTION: If the PEB is removed during this operation,
the process will need to be restarted.

This process may take a few minutes.

Status Line Comparing

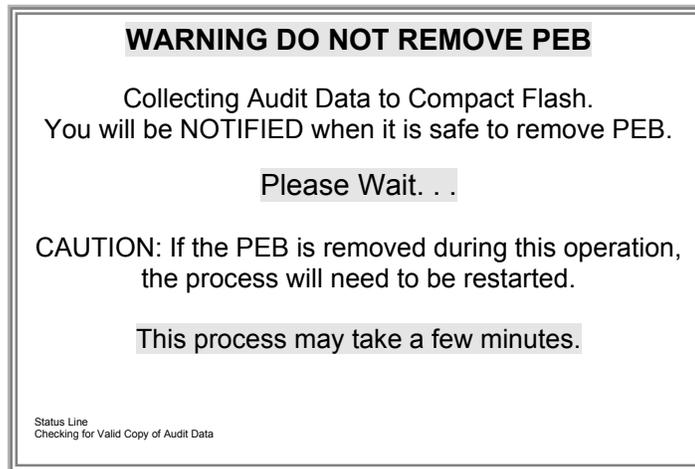
The message “Collecting Votes to PEB” then displays as shown below. Do not remove the PEB. The terminal will automatically copy its vote totals from memory onto the master PEB. The terminal also copies its Public Count, serial number and the opening/closing time and date onto the master PEB.

Collecting Votes to PEB screen



The Collecting Audit Data to Compact Flash process then begins if a compact flash card is present. Do not remove the PEB during this process.

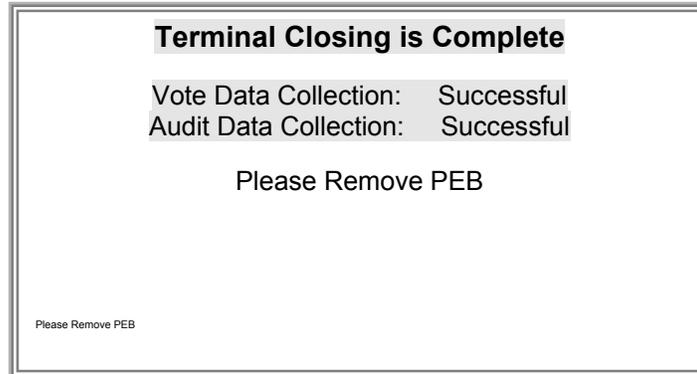
Collecting Audit Data Screen



Note: If there is not a flash card in the terminal the vote data will still be collected to the PEB. The audit data will not transfer to a flash card, but you can retrieve it from the terminal in a separate process.

The message “Terminal Closing Complete” appears when the process is complete as shown below.

Terminal Closing Complete Screen



3. Remove the master PEB and continue closing the remaining voter terminals.
4. If you use the Voter Activated System, close all voter terminals then close the supervisor terminal in the same manner that you closed the voter terminals. A message will display indicating “**Closed Supervisor Terminal.**” The terminal then displays a message asking “**Print Results Now?**” See the following sections for printing instructions.

After you close a voter terminal and collect the vote totals onto the master PEB, you can no longer use the terminal for voting. However, you can use terminals in the future to recollect votes and copy audit trail information.

Note: The master PEB retains a record of all opened voter terminals by their serial number. You cannot print Polling location results or transfer results via modem until you have closed all open terminals and collected their votes.

Printing Results

1. Once the votes from ALL of the voter terminals have been collected on the master PEB, connect the Communications Pack to the back of a closed voter terminal (Poll Worker Activated System), or to the back of a closed supervisor terminal (Voter Activated System).
2. Turn the selector switch on the pack to **Printer** and insert the master PEB. A message will prompt you to “Print Totals Now?”

Print Precinct Results Screen

Print polling location results tapes now?

Yes
 No

8:47:22 07/28/2004 Terminal S/N: V102832-A PEB S/N: PS106093-B
Software Version 8.0.0.0 Created 07/20/04 10:00
Copyright ES&S, Inc. 1993-2004. All Rights Reserved.

Note: The election definition determines which terminals will print a results tape, and if the report reflects an individual terminal or the polling place.

3. Press **Yes**. The terminal accesses the PEB and the print instruction screen will appear:

Print Instruction Screen

To PRINT the report, do the following steps.

1. Make sure the communication pack is connected to the back of the voting terminal.
2. Turn the selector switch to PRINTER.
3. Press and hold the small black button on the printer until its green light turns on.
4. Press the green button labeled 'PRINT' to start printing the report.

To EXIT printing, press the 'CANCEL' button.

PRINT

CANCEL

-
4. Follow the screen instructions. Press the green **PRINT** button and printing begins immediately. A **Pause** button appears. If you need to stop the printer, press the **Pause** button. Press the **Resume** button to continue printing.
 5. After the printer produces the programmed number of tapes, the message “Do you want to print another?” appears.
 6. Press **Yes** to print another tape, as many times as needed. To complete the printing process, respond **No** when asked to print another tape.

The terminal will prompt you to turn off the Communications Pack and press the screen to continue. If your election is programmed with modem capabilities, the message “Modem Results Now?” appears. See the section “Transferring Results via Modem” for instructions on this process.

7. In the Poll Worker Activated System, press **No** if you are not transferring totals via modem. Press **No** and remove the PEB when the message “Do you want to re-collect this terminal?” appears.

In the Voter Activated System, remove the PEB after responding "No" to the "Do you want to print another tape" prompt.

Sample Polling Location Tape

```

Terminal S/N: S5100211-C
PEB S/N PS139216- (FMW 1.07)
Software Version 9.0.0.0ZF
Created 06/29/04 12:55
Copyright ES&S, Inc. 1993-2004
All Rights Reserved
Diagnostic check completed: OK
iVotronic II

MULTI-LANGUAGE SP TEXT ELECTION
POLLING LOCATION RESULTS

Public Count Statistics
Total Ballots Cast:          0
Total Coded Ballots:       0
Total Ballots Counted:     4

Number of Terminals Opened: 1
Individual Voter Terminal Data
S/N V5122262
    Public Count:          0
    Protective Count:      1390
    OPENED 10:53:40 07/02/2004
    NOT CLOSED

*****
PRECINCT: Precinct 1
Public Count:          2
Ballot Style Counts
Ballot Style #1       2
Straight Ticket Counts
    Republican Party    0
    Democratic Party    1
    Libertarian Party   0
    Socialist Party     0

STRAIGHT PARTY
(Vote for 1)          Total: 2
    Rep-Republican Party 0
    Dem-Democratic Party 2
    Lib- Libertarian Party 0
    Soc- Socialist Party 0
Undervotes For Above contest:

SENATOR
    Rep-JOHN DOE        0
    Dem-HARRY SMITH    2
  
```

```

Lib- BOB LILLY          0
Soc-RENEE NEWS         0

>Write-Ins in above contest: 0
UnderVotes For Above contest: 0

PRECINCT: Precinct 2
Public Count:          2
Ballot Style Counts
Ballot Style #2       2
Straight Ticket Counts
    Republican Party    0
    Democratic Party    0
    Libertarian Party   1
    Socialist Party     0

STRAIGHT PARTY
(Vote for 1)          Total: 2
    Rep-Republican Party 0
    Dem-Democratic Party 0
    Lib- Libertarian Party 2
    Soc- Socialist Party 0
Undervotes For Above contest: 0

SENATOR
(Vote for 1)          Total: 2
    Rep-JOHN DOE        0
    Dem-HARRY SMITH    0
    Lib- BOB LILLY     1
    Soc-RENEE NEWS     0

>Write-Ins in above contest: 0
UnderVotes For Above contest: 0

Time/Date: 11:56:31 07/02/2004
Signature: _____
Signature: _____
Signature: _____
Signature: _____
  
```

Displaying Reports to the Screen

If necessary, you can display results on the screen from the **Print Results Options** menu. This allows you to view the report format on the screen instead of waiting for the printed report or uploading the data to a PC.

1. From the **Terminal Menu**, press **Election Administration**. Enter the Election Central menu password. The Election Administration menu appears.
2. Press **Print Results Options**. The **Print Results Options** menu appears.
3. Press **Display Polling Location Results Tape**. The report will appear.

The terminal displays the report on the screen one page at a time. You must press the screen to advance the report pages. The screen returns to the **Print Results Options** menu when the report ends.

Printing Reports to the Printer

Use this option to print a results report from the **Print Results Options** menu. After pressing **Print Polling Results Tape**, the terminal will display printing instructions and you can press the **VOTE** button to print.

Note: Supervisor Terminals will print results from the last PEB the terminal accessed in Election Mode. To ensure that the printout is correct for the PEB currently inserted, let the terminal access the PEB in the Election Mode as if you were going to open the polls or vote. Then, go into the Terminal Menu with that PEB and print the report.

Printing Event Log

You can print an event log for each terminal from the **Print Results Options** menu. After pressing **Print Event Log**, the terminal will display printing instructions and you can press the **VOTE** button to print. A sample report is shown below.

Event Log Report

| | | |
|---|------|----------|
| Terminal S/N: V5122262-> PEB S/N PS139216_ (FMW 1.07) Software Version 9.0.0.0ZF Created 06/29/04 12:55 Copyright ES&S, Inc. 1993-2004 All Rights Reserved | | |
| Event List Report | | |
| Time/Date | Code | PEB S/N |
| 10:52:18 07/02/2004 | 01 | PS139216 |
| Enter Terminal clear and test | | |
| 10:52:18 07/02/2004 | 55 | PS139216 |
| Clear and test successful | | |
| 10:53:35 07/02/2004 | 27 | PS139216 |
| Override | | |
| 10:53:35 07/02/2004 | 25 | PS139216 |
| Open with super votes | | |
| 10:53:40 07/02/2004 | 09 | PS139216 |
| Terminal open | | |
| 10:54:34 07/02/2004 | 06 | PS139216 |
| Enter ECA menu | | |
| 11:11:05 07/02/2004 | 33 | PS139216 |
| Print individual zero tape | | |
| 11:12:14 07/02/2004 | 33 | PS139216 |
| Print Individual zero tape | | |
| 11:25:12 07/02/2004 | 06 | PS139216 |
| Enter ECA menu | | |
| 11:28:05 07/02/2004 | 04 | PS139216 |
| Enter Terminal menu | | |
| 11:38:22 07/02/2004 | 06 | PS139216 |
| Enter ECA menu | | |
| 11:39:24 07/02/2004 | 06 | PS139216 |
| Enter ECA menu | | |
| 12:09:24 07/02/2004 | 06 | PS139216 |
| Enter ECA menu | | |
| Total Events = 13 | | |

Printing a Vote Summary with Write-Ins

Print a vote summary with write-ins to see the names of the write-in candidates as the voters entered them. This report only shows the candidate totals including the write-ins, not a combined write-in total for each race. It does not show under-votes, or the vote for number. After pressing **Print Vote Summary with Write-ins**, the terminal will display printing instructions and you can press the **VOTE** button to print.

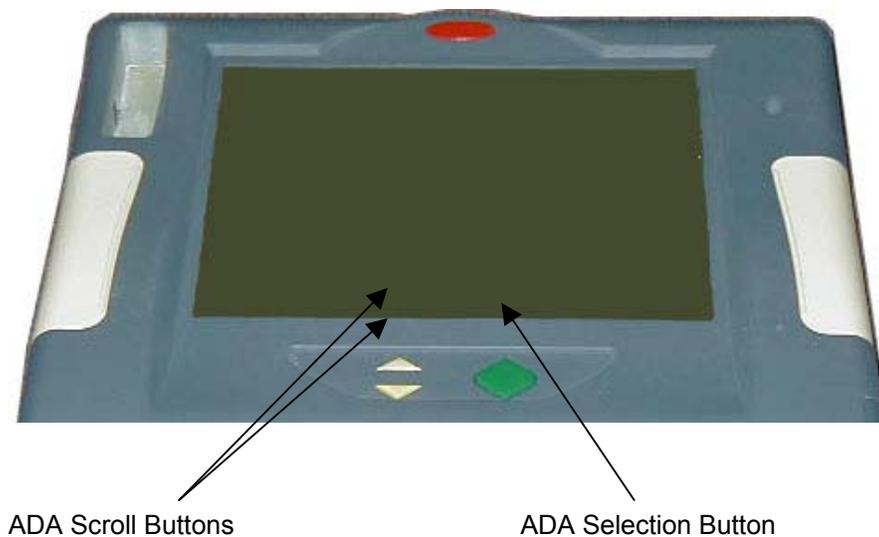
ADA Functions

The iVotronic complies with the Americans with Disabilities Act by providing special keys and audio cues for the visually impaired.

Make audio selections by using the ADA scroll buttons and the diamond shaped ADA selection button. The iVotronic disables the touch screen in audio mode to prevent accidental selections. As the voter scrolls over each candidate, office or selection, stored audio cues (.wav files) provide a vocal description of the selected option.

When the audio ballot is disabled, the iVotronic will work normally, allowing the voter to select candidates and options by pressing the touch screen and confirming completed ballots and selections with the red VOTE button.

ADA Terminal



Before voting begins, any ADA terminals that you will use for audio voting must have the audio ballot enabled.

To enable the audio ballot

1. Insert a supervisor PEB and access the **Terminal Menu**.
2. Select **Setup and Configuration**. The Service Menu password screen appears. Enter the password. The Setup and Configuration menu appears.
3. Select Configure Terminal. The Configure Terminal menu appears.

Using the iVotronic Battery Charger

Rather than charging battery packs in the iVotronic terminal, you can use the optional iVotronic battery charger to charge up to 12 battery packs from one wall outlet. The charger has 12 charger bays each controlled by an individual micro controller unit (MCU). A powder coated metallic case houses the charger bays.



Warning: Only operate the iVotronic with the type of power source indicated on the ID label. Batteries can explode if you charge them incorrectly. Only charge iVotronic batteries with the battery charger or with the AC adapter for the terminal.

Charger Operation

Use the battery charger to both condition (discharge) and charge the batteries. The charger only performs one discharge/charge cycle at a time, and you must initiate another cycle if desired. The charger uses the voltage threshold method to terminate charging.

Charging Frequency and Duration

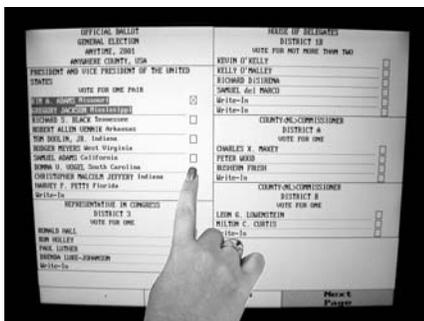
Fully charge the batteries for all of your iVotronic terminals for 12 to 16 hours once every six months. Increase the frequency that you charge batteries to once every three months if you store batteries outside of the recommended temperature range.

Most jurisdictions run the charger overnight because of the long charge cycle (12 to 16 hours). Place the battery charger in a location where no one accidentally pulls the plug or interrupts the power flow. The charger resets if someone interrupts the power.

Three Steps to Voting (Poll Worker Activated System)

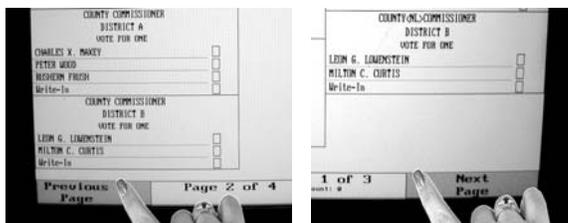
1

Use your finger to press on the candidate text, or inside the box to the right of your choice(s). When selected, your choice highlights and an “X” appears in the box.



2

To continue, press the “Next Page” box. To return to a page, press the “Previous Page” box. You must view all pages of the ballot before casting your vote.



3

When finished making all your choices, press the illuminated red VOTE button to record your vote.

PRESS THE ILLUMINATED
VOTE BUTTON



TO CHANGE A CHOICE: Simply press on the new candidate text or inside the box to the right of your new choice(s). In multi-seat (vote for more than one) offices it may be necessary to cancel a choice(s) before making a new choice.

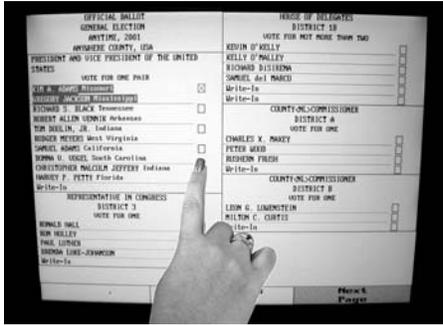
TO CANCEL A CHOICE: Simply press the same box or text a second time. The choice will cancel and the X will disappear.

Four Steps to Voting (Voter Activated System)

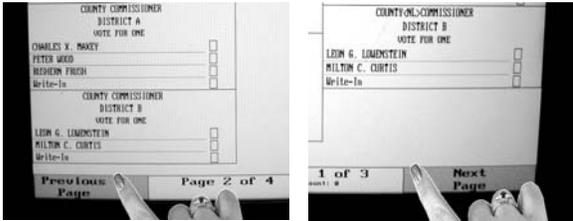
1 Insert the blue voter PEB into the voter terminal. the ballot will appear on the screen.



2 Use your finger to press on the candidate text or inside the box to the right of your choice(s). When selected, your choice highlights and an “X” appears in the box.



3 To continue, press the “Next Page” box. To return to a page, press the “Previous Page” box. You must view all pages of the ballot before casting your vote.



4 When finished making all your choices, press the illuminated red VOTE button to record your vote.

PRESS THE ILLUMINATED VOTE BUTTON



TO CHANGE A CHOICE: Simply press on the new candidate text or inside the box to the right of your new choice(s). In multi-seat (vote for more than one) offices, it may be necessary to cancel a choice(s) before making new choice(s).

TO CANCEL A CHOICE: Simply press the same box or text a second time. The choice will cancel and the X will disappear.