
zkVoting2.0 Manual

zkVoting2.0 Manual – Members(Organizations) , Voters

Website. <https://www.zkvoting.com/>
Email. contact@zkrypto.com



User Manual for Members(Organizations)

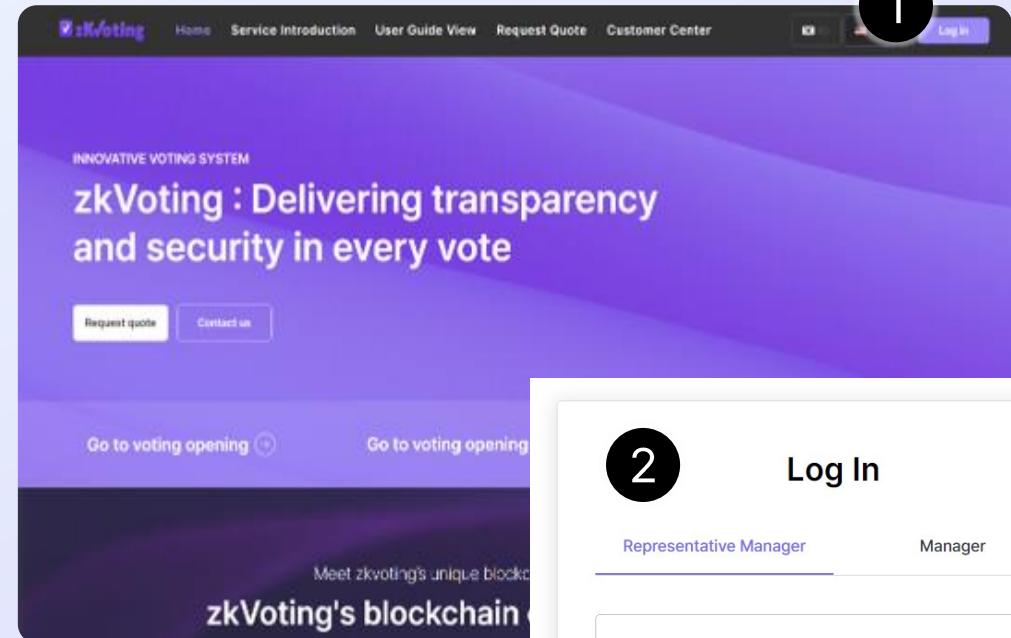
CONTENT



1. Sign-up

1) Company/Organization Information-Part 1/2

- 1 Go to <https://www.zkvoting.com/> and Click the **Log in** button



- 2 On the login page, click Sign up

A screenshot of the zkVoting login page. A circled '2' is above the 'Log In' button. The page has two tabs: 'Representative Manager' (which is selected) and 'Manager'. Below the tabs are two input fields: 'Enter your ID' and 'Enter your password'. To the right of the password field is a眼睛 icon. At the bottom is a large purple 'LOGIN' button. Below the button are links for 'Sign Up', 'Find ID', and 'Find Password'.

1. Sign-up

1) Company/Organization Information- Part 2/2

1 Enter Company/Organization Information

1. Enter the name of the company/organization.
2. Select the type of company/organization.
3. Enter the business registration number.
*Click "Verify" to confirm the validity of the business registration number before completing the registration.
4. Enter the fax number.

2 Enter Address Information

1. Click "Search Postal Code" to enter the postal code.
2. Enter the detailed address.

3 Enter Representative Information

1. Enter the representative's full name.
2. Enter the representative's contact information.

4 Attach Supporting Documents

1. Click **Attach File** to upload the business registration certificate (or unique identification number file).
*Accepted file formats are jpg, jpeg, pdf, doc, docs, and hwp, with a maximum file size of 10MB per file.
2. Additional files can also be attached if necessary.

5 If all fields are completed without any missing information and meet the requirements, click Next.

Sign up

1 Company/Organization Info 2 Contact person's Info 3 Account Info 4 Application completed

1 Company/Organization Info

Company/Organization Name
Company/organization classification *Required

Company Registration Number* *Required
Please enter the company registration number. SEARCH

FAX
Please enter the fax number.

2 Address

Postal code * *Required FIND ADDRESS

Your detailed address *Required
Please enter the full address.

3 Representative's name

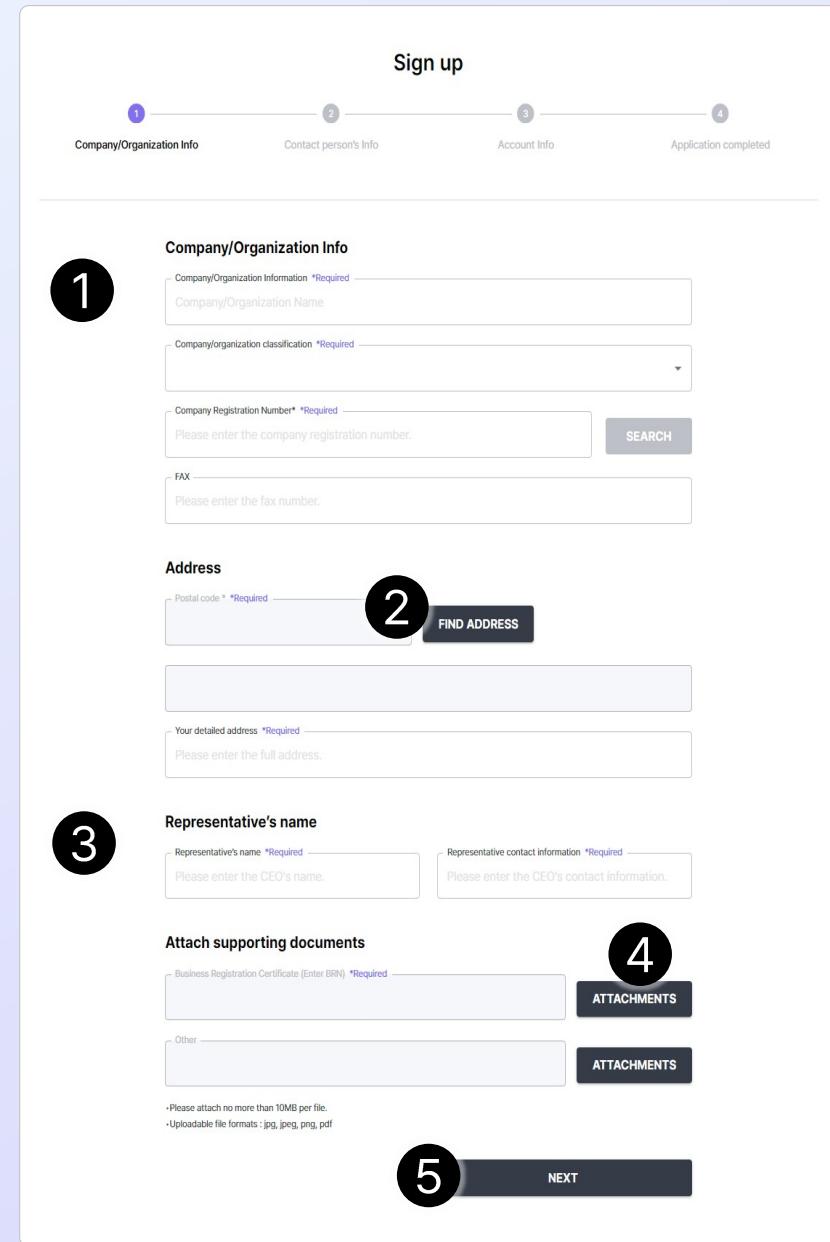
Representative's name *Required
Please enter the CEO's name. Representative contact information *Required
Please enter the CEO's contact information.

4 Attach supporting documents

Business Registration Certificate (Enter BRN) *Required
Other ATTACHMENTS

Please attach no more than 10MB per file.
Uploadable file formats : jpg, jpeg, png, pdf

5 NEXT



1. Sign-up

2) Manager Information

1 Enter Contact Person Information

1. Enter the contact person's name.
2. Enter the email address.
3. Enter the department they belong to.
4. Enter their position/title.
5. Enter their phone number (mobile).

2 Enter Address Information

1. Click **Search Postal Code** to enter the postal code.
2. Enter the detailed address.

*You can select the "Same as Company/Organization Address" checkbox to set it as the same address.

3 If all fields are completed without any missing information and meet the requirements, click Next.

Sign up

1 Company/Organization Info 2 Contact person's info 3 Account Info 4 Application completed

1 Contact person's Info

Name *Required
Enter contact person's name

Email *Required
Enter contact person's Email

Department *Required
Enter contact person's department

Rank *Required
Enter contact person's rank

Information(Cell phone) *Required
Enter contact person's phone number

Information(landline)
Enter contact person's landline Number

2 Address

Postal code *Required
Please enter the postal code.

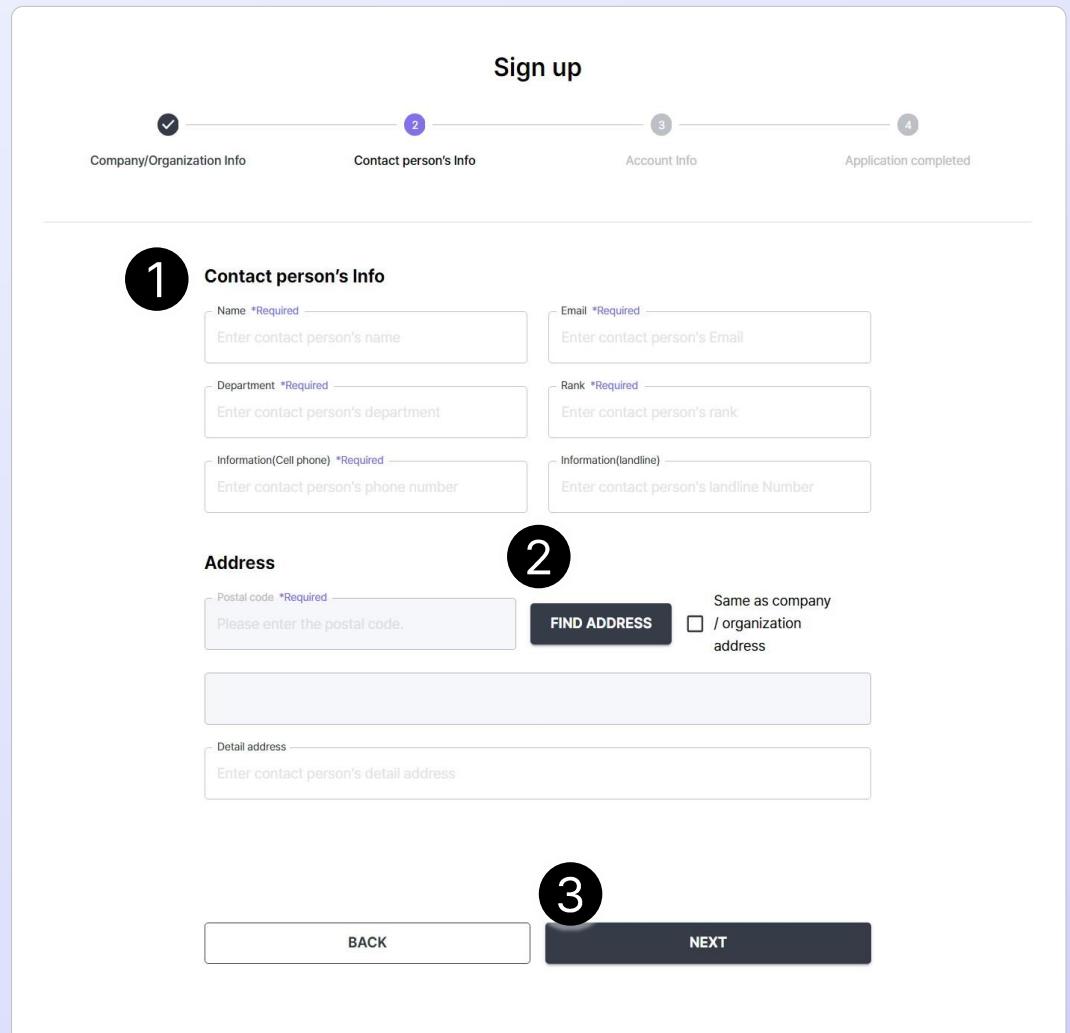
FIND ADDRESS

Same as company / organization address

Detail address
Enter contact person's detail address

3

BACK NEXT



1. Sign-up

3) Account Information

1 How to Enter Account Information

1. Enter a username.
2. Enter a password.
*The password must be 8–18 characters long and include a combination of letters, numbers, and special characters.
3. Read the terms and policies, then click the checkbox to agree.

2 Read the terms and policies, then click the checkbox to agree

3 If all fields are completed without any missing information and meet the requirements, click Next.

Sign up

Company/Organization Info Contact person's Info Account Info Application completed

1 Account Info

ID *Required test01

Password *Required

Verify password *Required Please confirm your password.

Terms and Policies

Terms of Service

Article 1 (Purpose)
These terms and conditions set forth the conditions and procedures for the use of the electronic voting service zkVoting provided by Zkrypto Inc., (hereinafter referred to as 'the Company') and other necessary details for its use.

Article 2 (Definitions)
1. 'zkVoting System' (hereinafter 'the System') refers to the electronic system developed by the Company to provide electronic voting and related services.
2. 'zkVoting Service' (hereinafter 'the Service') refers to services such as electronic voting, consulting, and operational support provided by the Company through the System.

Agree to terms and conditions.

2 Privacy Policy

Article 1 (Purpose)
Zkrypto Inc., (hereinafter referred to as "the Company") establishes this privacy policy (hereinafter referred to as "this Policy") to comply with the Personal Information Protection Act, the Act on Promotion of Information and Communications Network Utilization and Information Protection (hereinafter referred to as "the Information and Communications Network Act"), and other relevant laws. The purpose is to protect the personal information of individuals (hereinafter referred to as "Users" or "Individuals") using the Company's services (hereinafter referred to as "Services") and to promptly and effectively address any grievances related to personal information protection.

Article 2 (Principles of Personal Information Processing)
1. The Company may collect Users' personal information in accordance with applicable laws and
 Agree to personal information processing policy

Totally agree.

3

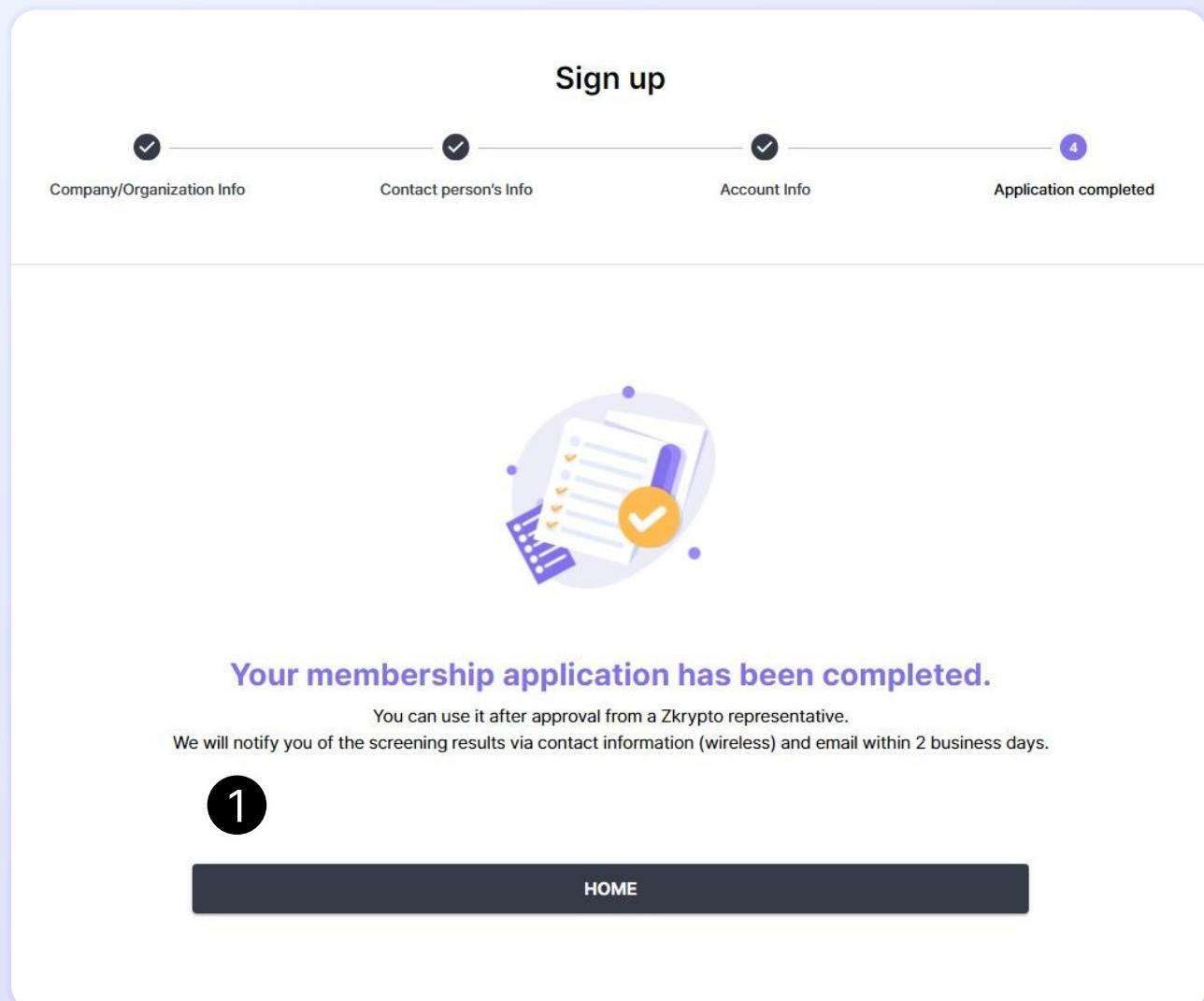
4 BACK APPLY FOR MEMBERSHIP

1. Sign-up

4) Membership Registration Complete

1 Your membership registration request has been successfully submitted.

1. You can start using the service after approval by Zkrypto.
2. The review results will be sent to your contact number and email within 2 business days.
3. Click **Home** button to return to the main page.



2. Voting Opening

1) Enter Voting Information

1 Enter Basic Information

1. Enter the main voting title.
2. Enter the number of voters.

2 Select Voting Features

1. Choose between Automatic Start or Manual Start.

3 Set Voter List

1. Select the type of information to include in the voter list: mobile phone number, email, or personal identification number.
2. Choose the voter verification method based on the selected voter list information.

4 If all fields are completed without any missing information and meet the requirements, click Next.

Open voting

1 Enter voting information 2 Candidate/Agenda input 3 Opening completed

1

Voting Name *Required
*Please enter the voting name

setupVoting.forms.votingType.label
Online voting

Number of voters *Required
*Please enter the number of voters

Start date/time *Required
MM/DD/YYYY hh:mm CALENDAR

End date/time *Required
MM/DD/YYYY hh:mm CALENDAR

2

Voting function

Voting start method *Required
 ▾

Voting end method *Required
 ▾

3

Voter list

Name Phone number Email Personal identification number

Voter verification method *Required
 ▾

4 NEXT

2. Voting Opening

2) Enter Candidates/Agenda

1 Enter the candidates or agenda items.

2 Add options

1. Click the **Add Option** button to add options.
2. Click **Add Additional Information** to provide more details about each option.

3 Click Create Voting to finalize the setup.

Open voting

1 Enter voting information 2 Candidate/Agenda input 3 Opening completed

1 Candidate/Agenda Information

Question
Question

2 View

View1
View1 Enter Additional Information

View2
View2 Enter Additional Information

3 *OPEN VOTING

BACK

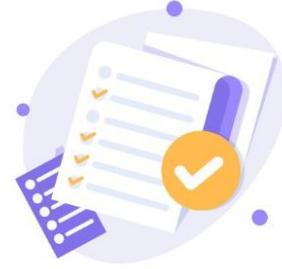
2. Voting Opening

3) Voting Setup Complete

- 1 Click the Go to Voting Management button to navigate to the Voting Management page.

Open voting

1 Enter voting information 2 Candidate/Agenda input 3 Opening completed



*Voting is open
zkVoting services are available.

1

MOVE TO VOTING OPENING MANAGEMENT

3. Voting Process

1) Register Administrator – Part 1/2

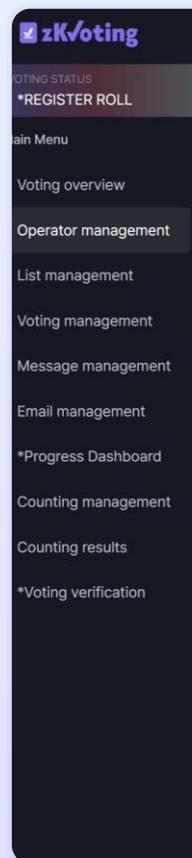
1 How to Add an Administrator

1. Select the management permissions for the administrator.
2. Enter the administrator's name.
3. Enter the administrator's mobile phone number.
4. Enter a username and click **아이디중복확인**
5. Click Add, and the added administrator will appear in the administrator list.

2 From the Administrator List, Click the Checkbox:

1. The selected administrator will receive a username and temporary password.
2. Click **View Details** to see the administrator's detailed information.
3. Click **Reset Password** to reset the administrator's password.

*Administrators cannot be added or removed after voting has started.



The screenshot shows the 'Operator management' screen. On the left, a modal window titled 'Add Operator' is open, showing fields for 'Name' (bab), 'Rights' (All), and 'ID' (test3334). A note at the bottom says 'Please register an operator.' On the right, the 'Operator List' table shows one row of data: Name (bab), Rights (All), ID (test3334), and Latest delivery date and time (2024.12.18 15:34). A note at the top right says 'You cannot add or delete operators after voting has started.' A button labeled 'SEND PASSWORD' is visible at the bottom right of the list table.

Name	Rights	ID	Latest delivery date and time
bab	All	test3334	2024.12.18 15:34

3. Voting Process

1) Register Administrator – Part 1/2

1 Verify the Username and Password via Notification

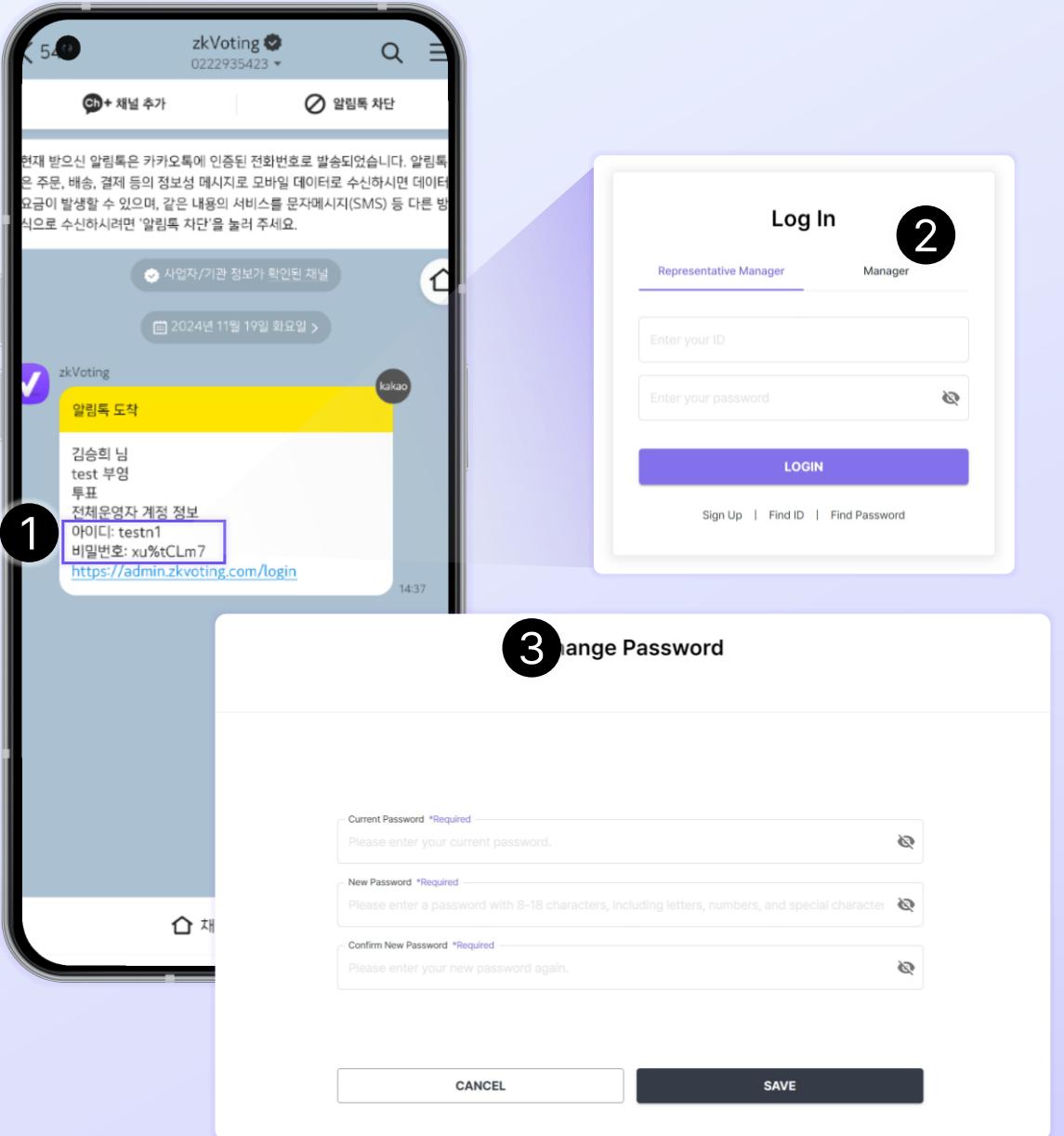
*Check the **Notification Talk** for the username and password.
Click the link to log in directly from your mobile phone.

2 Log in as an Administrator on the zkVoting Login Page

1. Click **Administrator**, then enter the username and password received via Notification Talk

3 Set a New Password

1. On the password change page, set a new password.
2. Click **Save**, then log in again using the newly set password and the previously received username.



3. Voting Process

2) Registering a Roster

1 Click on the Roster Management menu

2 Add a voter list

1. Click **Download Template** to download the form, then click **Upload File** to upload the roaster
2. Alternatively, click **Add Individually** to manually add voter names and the voter information specified earlier.

3 Click **Finalize Roster** to complete the roster setup.

The screenshot shows the zKvoting software interface for managing voter rosters. It consists of three main panels:

- Main Menu Panel:** On the left, a sidebar with a dark background and light text. The "REGISTER ROLL" option is highlighted. Other menu items include Voting overview, Operator management, List management (which is currently selected), Voting management, Message management, Email management, *Progress Dashboard, Counting management, Counting results, and *Voting verification.
- List Management Panel:** The central panel title is "List Management". It shows a "Voter List" table with columns: No, Name, Cell Phone Number, Email, ID, and Registrant. A single row is present: "1 tester 01012345678 test01". Below the table are buttons for "DELETE SELECTION" and "RESET". Above the table, a note says: "Once the list registration is complete, be sure to close the list. Voting can begin only after the list is closed." There are also buttons for "UPLOAD FILE", "ADD", and "DOWNLOAD FORM".
- List Registration Overlay:** A modal window titled "List Registration" is open in the bottom right corner. It contains fields for "Name" (with "tester" entered) and "Cell Phone Number" (with "01012345678" entered). At the bottom is a large blue "ADD" button.

Three numbered circles (1, 2, 3) point to specific UI elements: circle 1 points to the "List management" menu item; circle 2 points to the "ADD" button in the central panel; and circle 3 points to the "CLOSE LIST" button at the bottom right of the central panel.

3. Voting Process

3) Message Management

- 1 Click on the Message Management menu.
- 2 In the Auto-Send Management section, you can select senders for each category

1. Check the boxes to select the desired senders for each category.
2. Click **Save** to save the changes.

- 3 Click Message History to review the message delivery history.

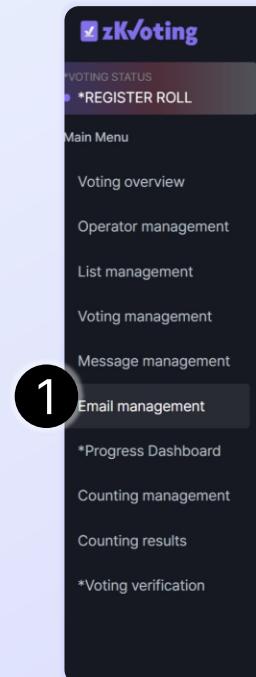
The screenshot shows the zVoting software interface. At the top, there's a navigation bar with 'Voting opening management' and 'Message Management'. Below that is a sub-menu with 'Manage Automatic Sending' (highlighted with a blue underline) and 'Send History'. The main area is titled 'Manage Automatic Sending' and contains a table with columns: category, Voter, Head Administrator, Voting Manager, and Electoral Administrator. Under each category, there's a 'PREVIEW' button and a checkbox for each role. The categories listed are 'Voting Start, URL Information Notice', 'End Notice', 'Tally Notice', and 'Administrator Account Send'. At the bottom right, there's a button labeled 'Press Save to update changes' and a large 'SAVE' button.

category	Voter	Head Administrator	Voting Manager	Electoral Administrator
Voting Start, URL Information Notice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
End Notice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tally Notice	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Administrator Account Send		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Voting Process

4) Email Management

- 1 Click on the Email Management menu.
- 2 In the Auto-Send Management section, you can select senders for each category
 - 1 Check the boxes to select the desired senders for each category.
 - 2 Click **Save** to save the changes.
- 3 Click Email History to review the Email delivery history.



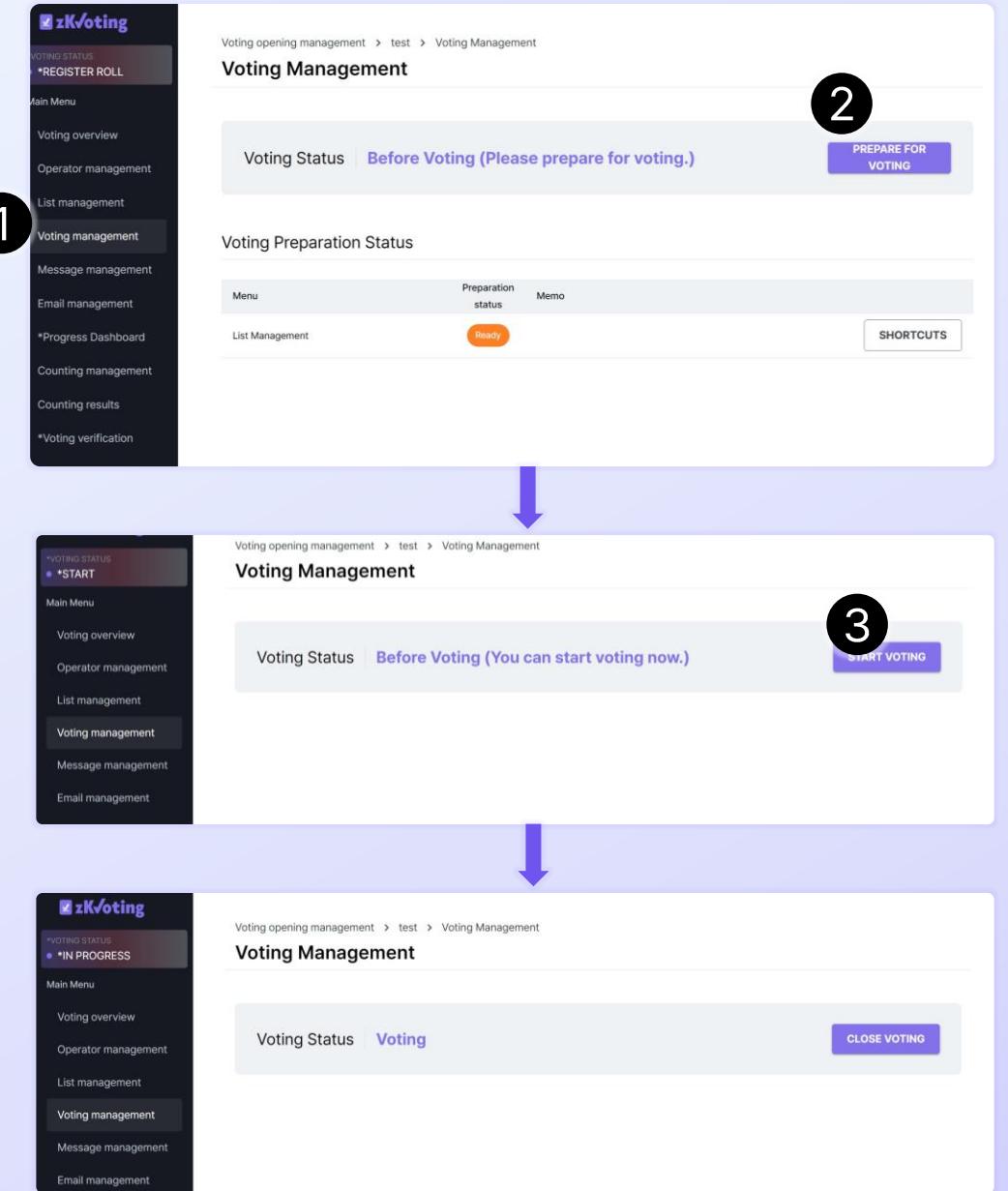
The screenshot shows the 'Send History' page in the zVoting software. At the top, there are two tabs: 'Manage Automatic Sending' and 'Send History', with 'Send History' being the active tab. Below the tabs is a table titled 'Send History' with columns: NO, Template Name, Send Target, Scheduled Send Time, Scheduled End Time, Total List Sent, Number of Pending, and Failed Sends. The table has one row of data. At the bottom of the page are navigation arrows and a page number indicator '1'. A large black circle containing the number 3 is positioned above the table.

The screenshot shows the 'Message Management' page in the zVoting software. At the top, it shows the breadcrumb path: 'Voting opening management > test > Message Management'. Below the path is the title 'Message Management'. There are two tabs at the top right: 'Automatic' (which is active) and 'Send History'. A large black circle containing the number 2 is positioned near the 'Automatic' tab. Below the tabs is a section titled 'Manage Automatic Sending' with a table. The table has columns: 'category', 'Voter', and 'Head Administrator'. It contains three rows: 'Voting Start, URL Information Notice' (with 'PREVIEW' buttons), 'End Notice' (with 'PREVIEW' buttons), and 'Tally Notice' (with 'PREVIEW' buttons). A note at the bottom says 'To update changes, please check or uncheck options and then click the Save button.' A large black circle containing the number 3 is positioned above the 'Head Administrator' column. At the bottom right is a 'SAVE' button.

3. Voting Process

5) Start Voting

- 1 Click on the Voting Management menu.
- 2 Click **Prepare Voting** to begin setting up the vote.
- 3 Click **Start Voting** to initiate the voting process.



3. Voting Process

6) Monitor Voting Progress

- 1 Click on the Voting Progress menu.
- 2 You can check the current status of the voting process.

The screenshot shows the zKvoting software interface. On the left, a sidebar menu titled "Main Menu" is open, showing various management options. The "Voting management" option is highlighted with a blue background. A large number "1" is circled around this menu item. To the right, the main content area is titled "Voting Management". At the top right of this area, there is a purple button labeled "CLOSE VOTING". Below the title, there are two tabs: "Voting Status" and "Voting", with "Voting" currently selected. A large number "2" is circled around the "Voting" tab. The main content area displays a "Progress Dashboard" with the following information:

- *Voting in progress: 1
- *Votes: 1
- *Voting rate: 100.0%
- *Voting index: 13
- *Method of voting: *Online voting
- *Number of voters: 1

Below the dashboard, there are two graphs: "Hourly Votes" and "Cumulative Hourly Votes". Both graphs show a single data point for the time 12/18 17:00. The "Hourly Votes" graph has a value of 1. The "Cumulative Hourly Votes" graph has a value of 100.0%. At the bottom of the content area, there are two tables:

*Time	*Hourly Votes	*Hourly Voting Rate
12/18 17:00	1	100.0%

*Time	*Cumulative Votes	*Cumulative Voting Rate
12/18 17:00	1	100.0%

3. Voting Process

7) Close Voting

- 1 Click on the Voting Management menu.
- 2 Click **Close Voting** to end the voting process.

The screenshot illustrates the 'Voting Management' process in the zKvoting software. It consists of two main parts: a left sidebar and a right content area.

Left Sidebar: A dark sidebar titled 'zKvoting' with a logo. At the top, it shows the 'VOTING STATUS' as 'IN PROGRESS'. Below this are several menu items: 'Main Menu', 'Voting overview', 'Operator management', 'List management', 'Voting management' (which is highlighted in a blue box and circled with a large number '1'), 'Message management', and 'Email management'.

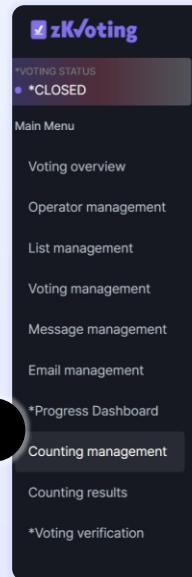
Right Content Area: The title 'Voting Management' is displayed above a status bar. The status bar shows 'Voting Status' and 'Voting(All voters have voted.)'. To the right of the status bar is a purple button labeled 'CLOSE VOTING' with a circled number '2'. A large blue arrow points from the 'Voting management' menu item in the sidebar down to the 'CLOSE VOTING' button in the content area.

Bottom Panel: A second screenshot shows the same interface after the voting has been closed. The 'VOTING STATUS' is now listed as '*CLOSED'. The 'Voting Status' in the content area now displays 'Voting Closed'.

4. Vote Counting

1) Counting Votes

- 1 Click on the Counting Votes Management menu.
- 2 Click **Start Counting** to finalize the counting process



1

Voting opening management > ○○○○L > Ballot Counting Management

Ballot Counting Management

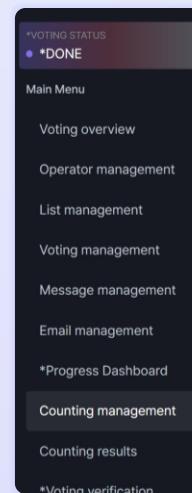
Ballot Counting Status | **Before Counting**

2

START
BALLOT
COUNTING

Ballot Counting Preparation Status

Menu	Preparation status	Memo	SHORTCUTS
Voting Management	Ready	Votes can be counted after voting closes.	



Voting opening management > ○○○○L > Ballot Counting Management

Ballot Counting Management

Ballot Counting Status | **Counting Completed**

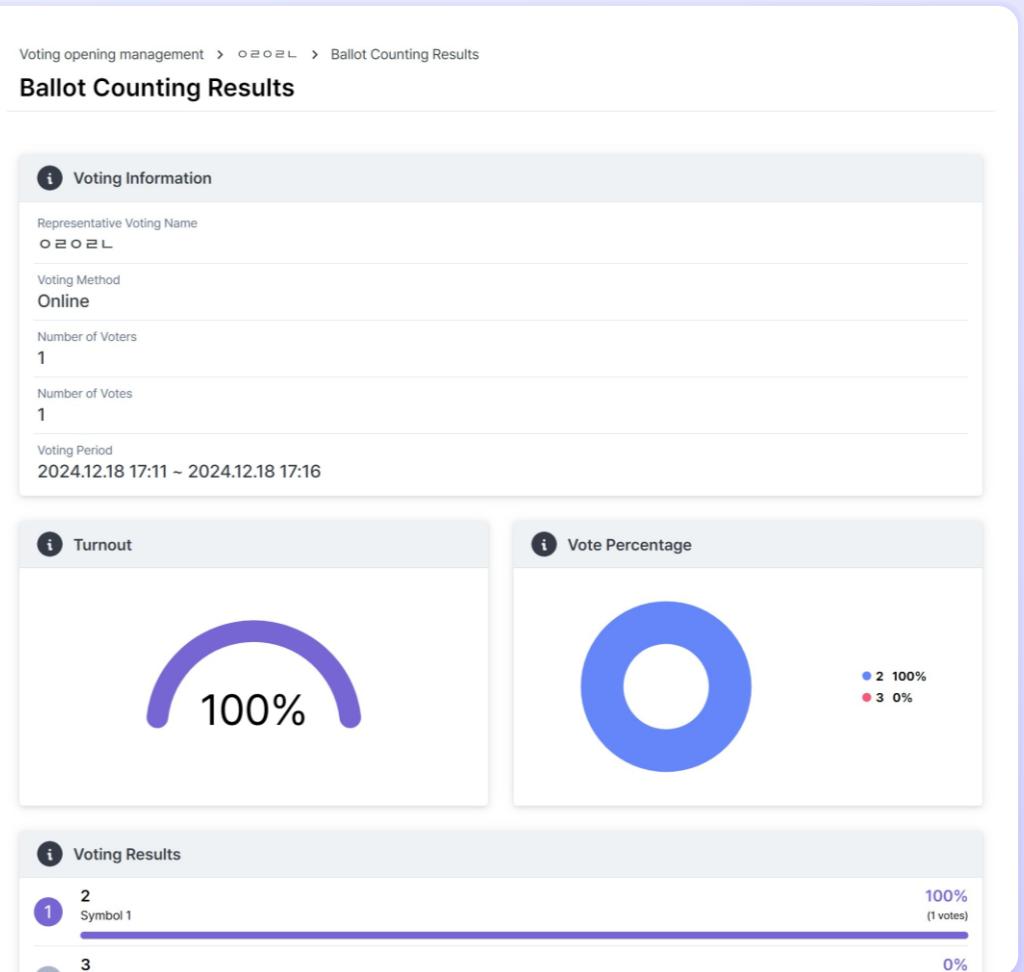
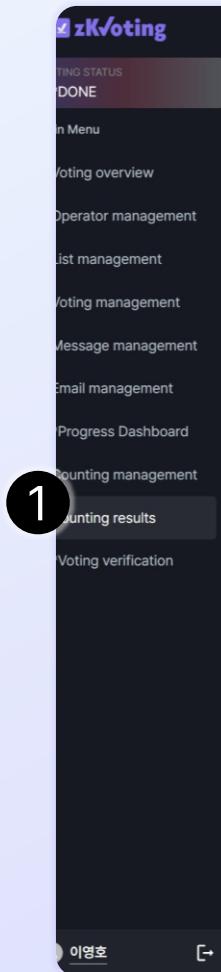
Ballot Counting Preparation Status

Menu	Preparation status	Memo	SHORTCUTS
Voting Management	Ready	Votes can be counted after voting closes.	

4. Vote Counting

2) View Voting Results

- 1 Click on the **Voting Results** menu to view the Voting results



4. Vote Counting

3) Verify Voting Process

- 1 Click on the **Voting and Counting Verification** menu
- 2 Click **Vote Verification** to finalize the vote verification process

1. When a notification appears confirming that the Zero-Knowledge Proof verification of the voting data is complete, click **Confirm**.

- 3 You can check the vote verification results.

1. Click **Download Verification Results** to download the verification results.

The image shows the zKvoting software interface. At the top left is a sidebar with a dark theme and white text, listing various management functions: Voting overview, Operator management, List management, Voting management, Message management, Email management, Progress Dashboard, Counting management, Counting results, and Voting verification. A large number '1' is overlaid on the 'Voting verification' item. To the right of the sidebar is a main content area titled 'Voting and Vote Counting Verification'. Below this is a sub-section titled 'ZKP Voting Verification' with a descriptive text about zero-knowledge proof verification. A large number '2' is overlaid on the 'VERIFY VOTES' button. A modal window is displayed in the center-right, titled 'Zero-Knowledge Proof Verification of Voting Data Complete' with a checkmark icon, and a 'CONFIRM' button at the bottom. Below the modal is a summary message: 'Zero-Knowledge Proof Voting Verification Complete' and 'We have confirmed that all voting data is accurate.' At the bottom of the main content area, there is a table with details of the verification process, including start and end times, number of voters verified, and a 'DOWNLOAD VERIFICATION RESULTS' button. The table also includes columns for 'No.', 'Transaction ID', 'Blockchain storage time', and 'Verification Result'.

No.	Transaction ID	Blockchain storage time	Verification Result
1	0x915c3d7f0b2783f0ac52b437478302b5153bc0f197fed2c118601300bde374c	2024.12.18 17:14:50	Success

4. Vote Counting

4) Verify Counting Results

- 1 Click on the **Voting and Counting Verification** menu
- 2 Click **Couting Verification** to finalize the vote verification process
 - 1 When a notification appears confirming that the Zero-K nowledge Proof verification of the voting data is compl ete, click **Confirm**.
- 3 You can check the vote verification results.

The screenshot shows the zKvoting software interface. On the left is a dark sidebar with a purple header 'zKvoting' and a status bar at the top. The sidebar contains a list of menu items: STATUS (ONE), Menu, Voting overview, Operator management, Art management, Counting management, Message management, Mail management, Progress Dashboard, Counting results, and Voting verification. The 'Voting verification' item is highlighted with a blue background. The main content area has a light gray header 'Voting and Vote Counting Verification'. Below it, a section titled 'ZKP Voting Verification' contains a sub-section 'Zero-knowledge proof voting verification ensures the consistency of encrypted voting data on the blockchain, which cannot be tampered with or altered.' A button labeled 'VERIFY VOTES' is visible. A large callout box on the right side of the screen displays a checkmark icon and the text 'Zero-Knowledge Proof Verification of Voting Data Complete' above a 'CONFIRM' button. At the bottom of the main content area, there is a section titled 'Verification Results' with a table showing the following data:

No.	Transaction ID	Blockchain storage time	Verification Result
1	0x915c3d7f0b2783f0ac52b437478302b5153bc0ff197fed2c118601300bde374c	2024.12.18 17:14:50	Success

Pagination controls (1, <, >, >>) are located at the bottom of the table.

5. Accounting

- 1) Issuance of Usage Details by Zkrypto Administrator
(sent to Member's Email)**
 - 2) View Member Usage Details**
 - 3) Issuance of Tax Invoice by Zkrypto Administrator**
 - 4) Member Payment**
- 

User Manual for **Voters**

CONTENT

1 Participating in Voting

- 1) Check URL Received
- 2) Participate in Voting
- 3) My Ballot Box

2 Viewing Voting Results

- 1) Check URL Recieved
- 2) Log In
- 3) View Voting Results

1. Participating in Voting

1) Check URL Received

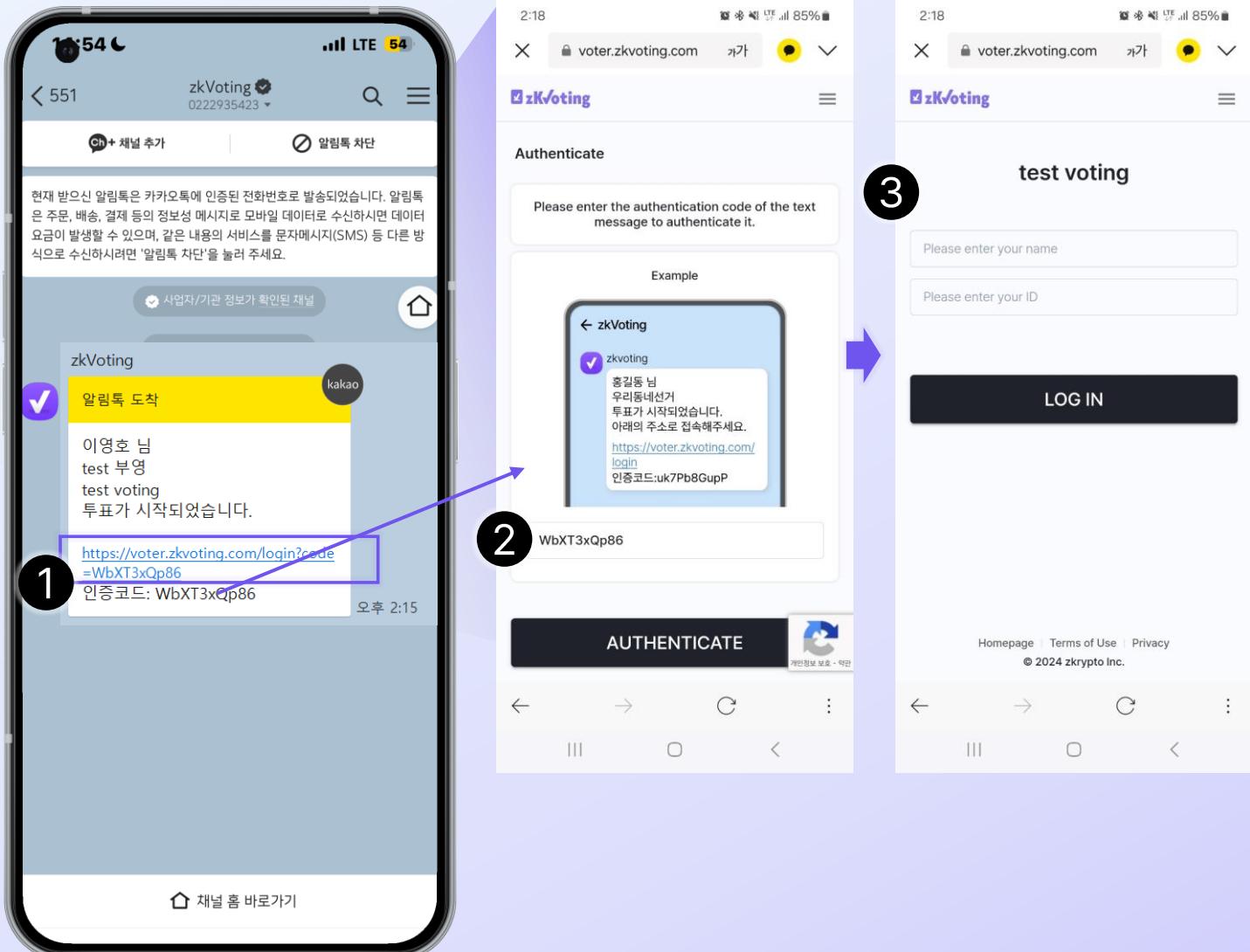
1 Confirm receipt of the URL via Alert Talk.

*Click the link to log in on your phone.

2 Click the URL to log in.

1. If the authentication code is entered correctly, click the Login button.

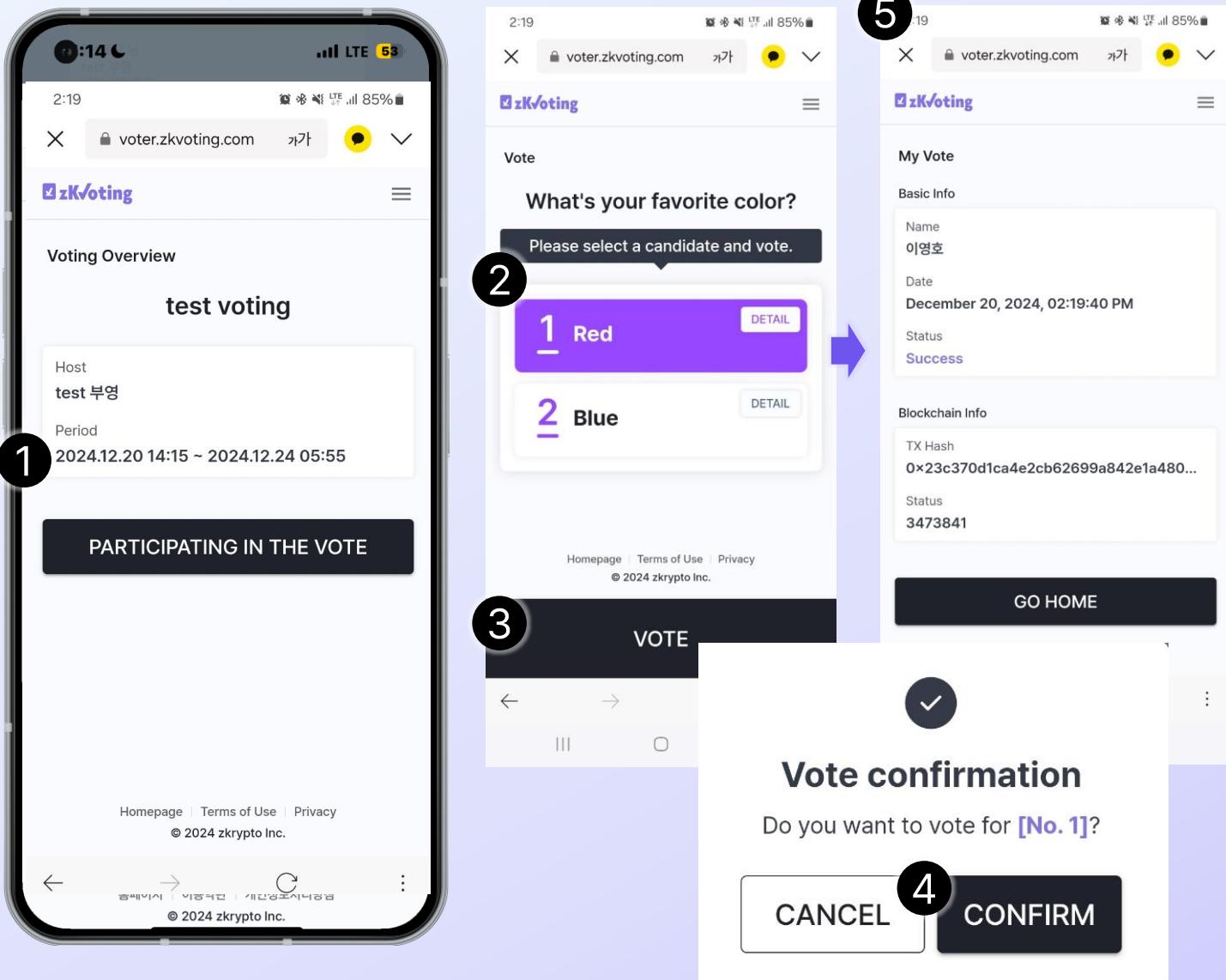
3 Enter your name and phone number, then click Login.



1. Participating in Voting

2) Participate in Voting

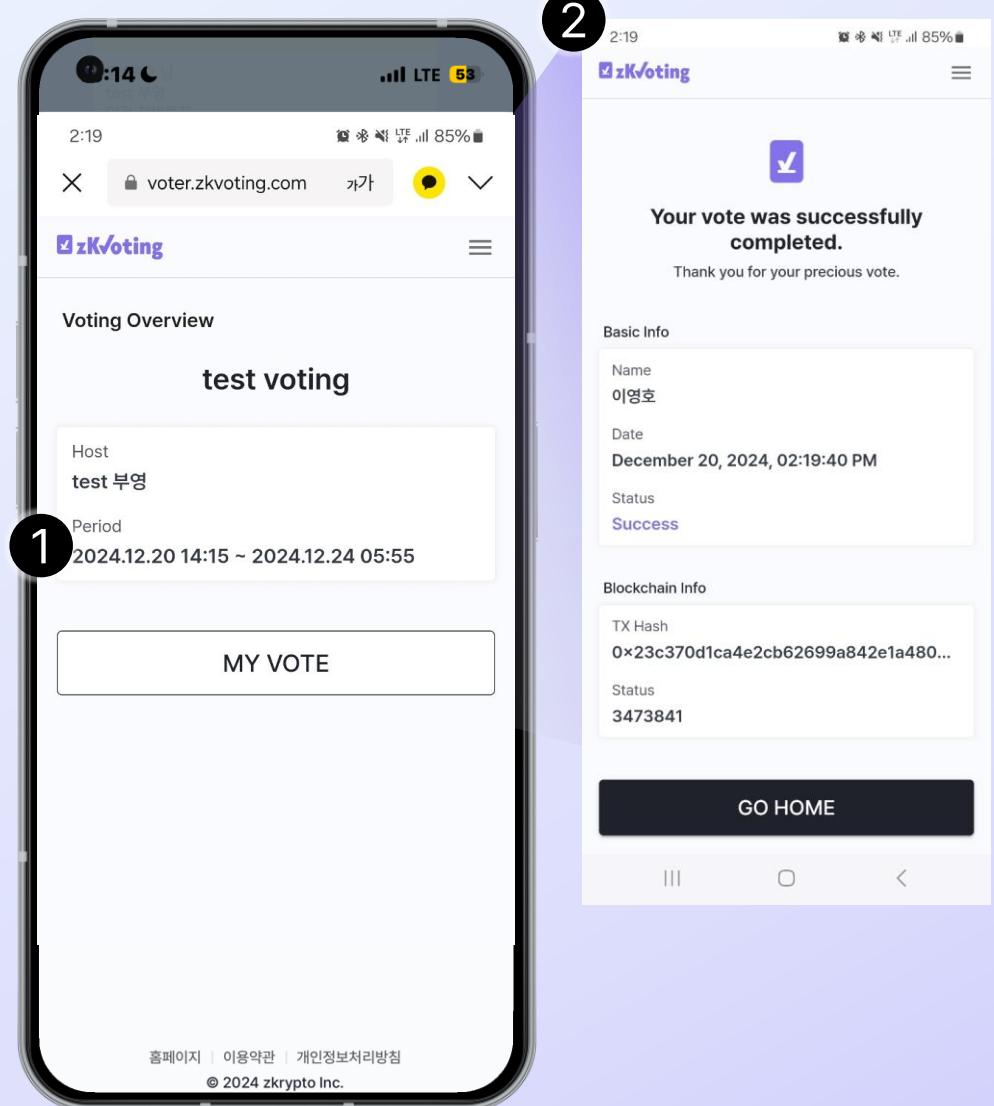
- 1 Click Participate in Voting to join the vote.
- 2 Select the item you wish to vote for from the list.
*Click View Details to see more information about each voting item.
- 3 Click Vote.
- 4 When the confirmation window appears, click Confirm.



1. Participating in Voting

3) My Ballot Box

- 1 Click on My Ballot Box
- 2 In the ballot box, you can view your information and blockchain data



2. View Voting Results

1) Confirm Receipt of URL and Log In

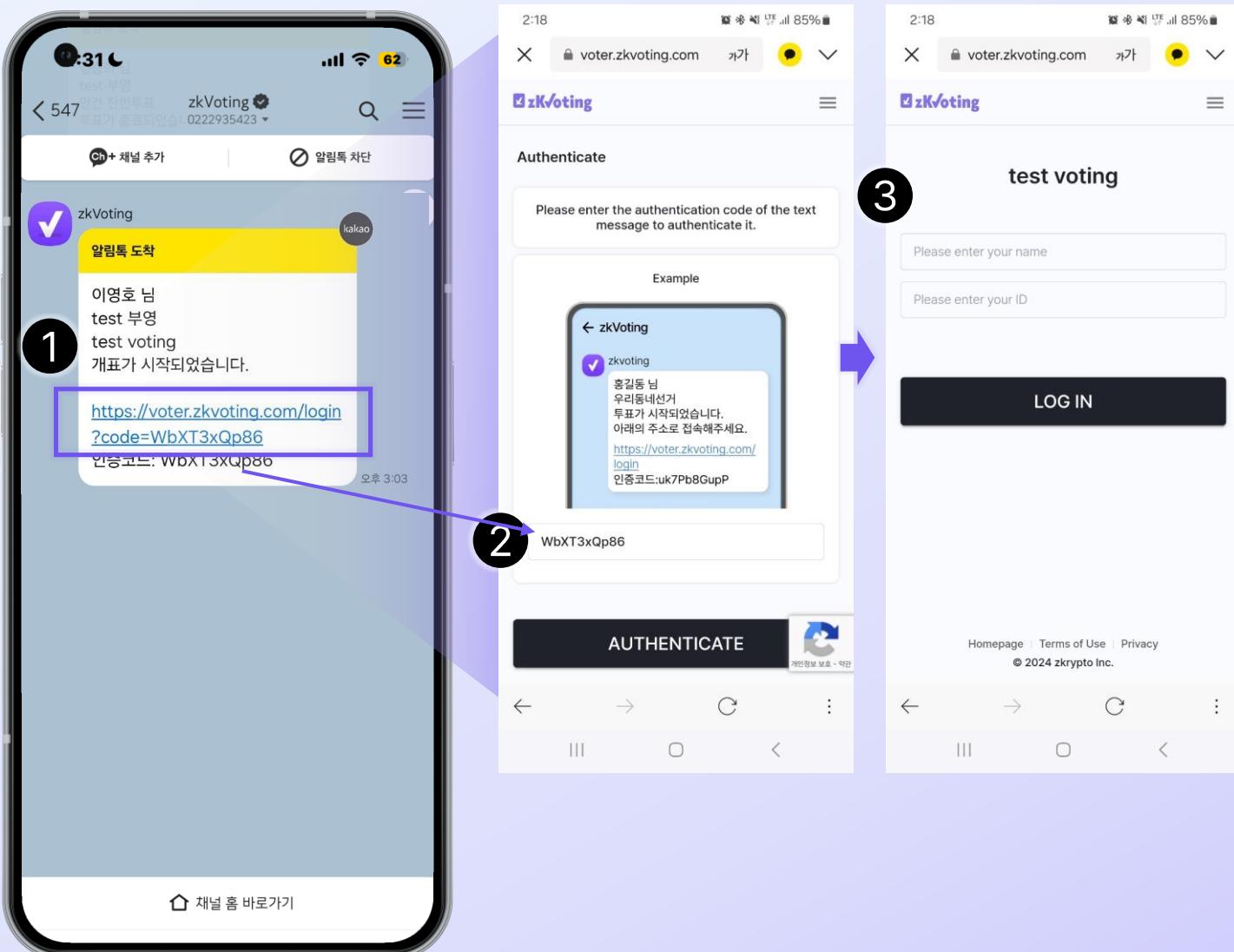
1 Confirm receipt of the URL via Alert Talk.

- *Click the link to log in on your phone.

2 Click the URL to log in.

- If the authentication code is entered correctly, click the Login button.

3 Enter your name and phone number, then click Login.

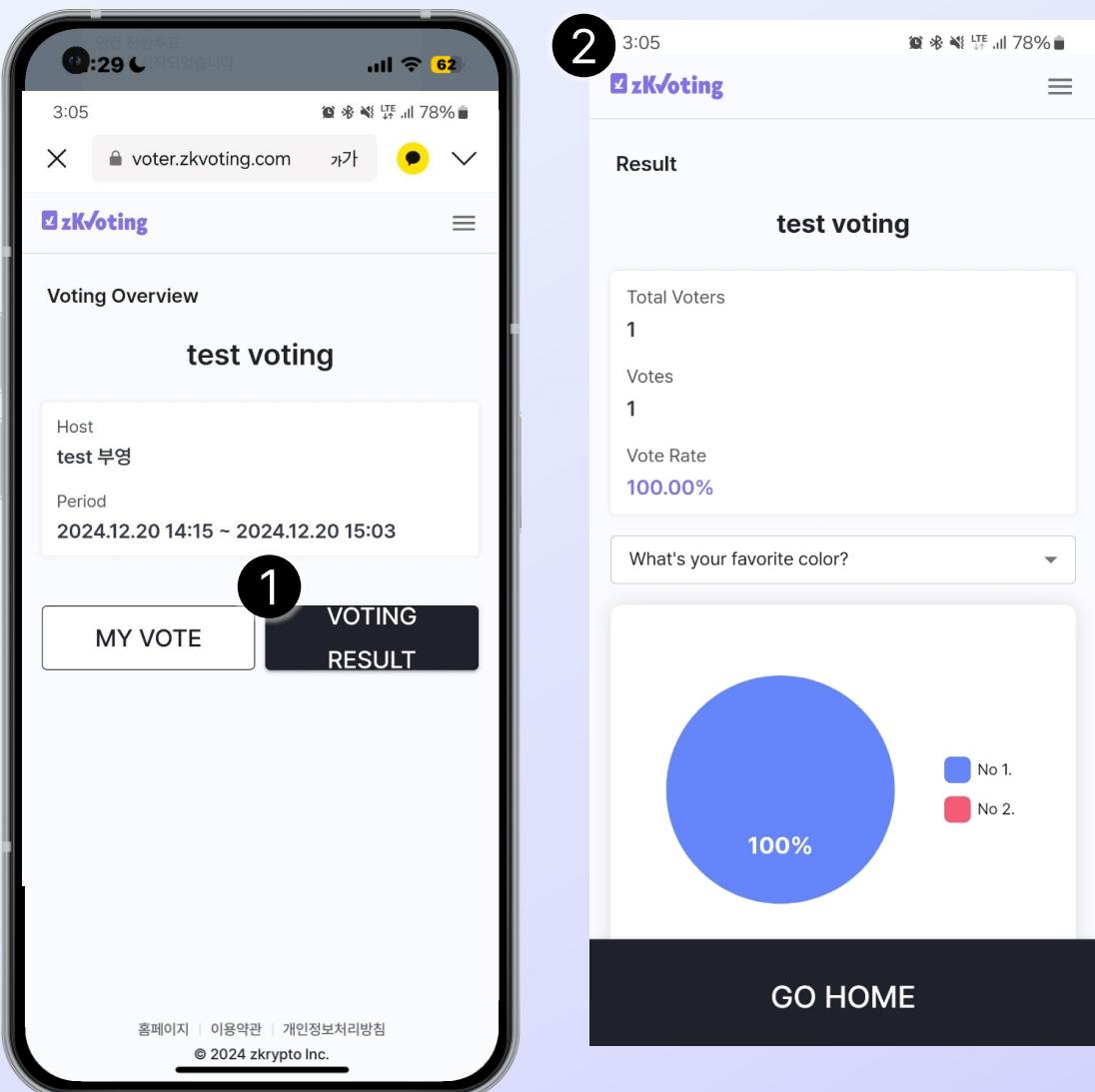


2. View Voting Results

2) View Voting Results

1 Click on Voting Results

2 You can view the voting results for the agenda items



zkVoting2.0

Contact Us

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