Easy Use

Quick

Innovative

SunVote®

M52Li-2.4G Keypad User Manual

2016/04/20

Content

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1- Appearance Description

2-Preparation Work

3-System Connection

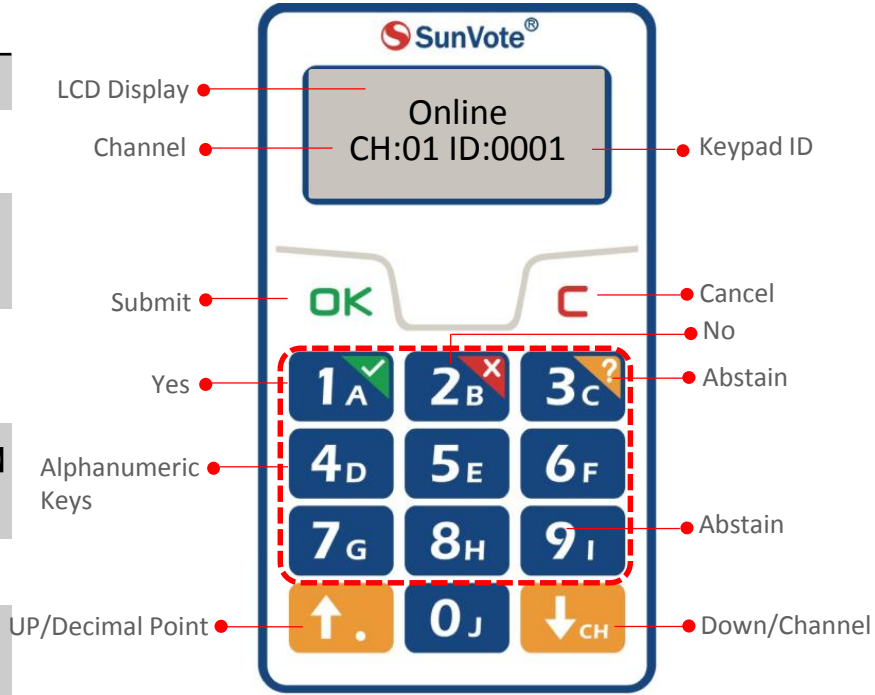
4-System Settings: Keypad Match, Set ID, Management

5- Voting Functions: Sign in, Vote, Judge, Choice, Sequence, Numeric

6-FAQ & Notes

1- Appearance Description

Model	M52Li
Power On	Press any key to power on
Power Off	Long press 【C】 till "Bye Bye" appears on the screen, then release your hand to turn it off
Sign In	Press 【OK】 to sign in, LCD will show “SignIn OK ” after successful registration
Vote	Press【√】【X】【?】 for yes/no/abstain, and LCD will show “Received” if successfully submit.
Candidate Election	Press 【√】to tick the candidate, double click 【√】or click 【X】for recall, and press 【OK】 to submit
Single Choice	Press alphanumeric keys to submit your answer directly
Multiple Choice Sequence	Press alphanumeric keys to select your answer and press 【OK】 to submit
Scoring Numeric	Press alphanumeric keys to input the numbers including decimal point and press 【OK】 to submit



2-Preparation Work

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Please check the keypad batteries before use. If battery is low (e.g. it prompts in red to indicate weak battery by keypad test in the software), please plug the keypads into the charging box for around 2-3 hours till fully charged.

300mAh Rechargeable Lithium Battery

Indication light of the charging box turns red when keypad is charging;
The light turns off after full charge

Plug the Mini USB into the charging slot

3-System Connection

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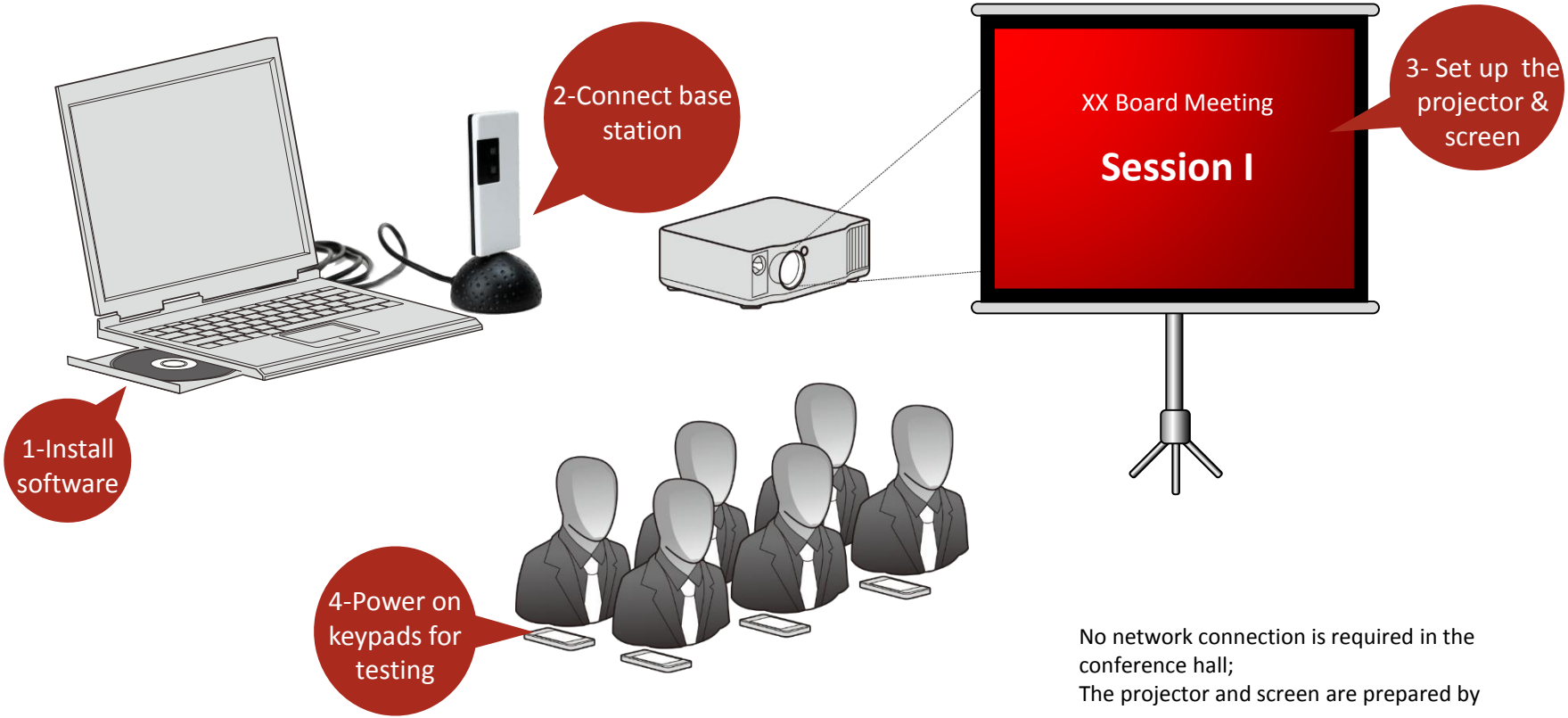
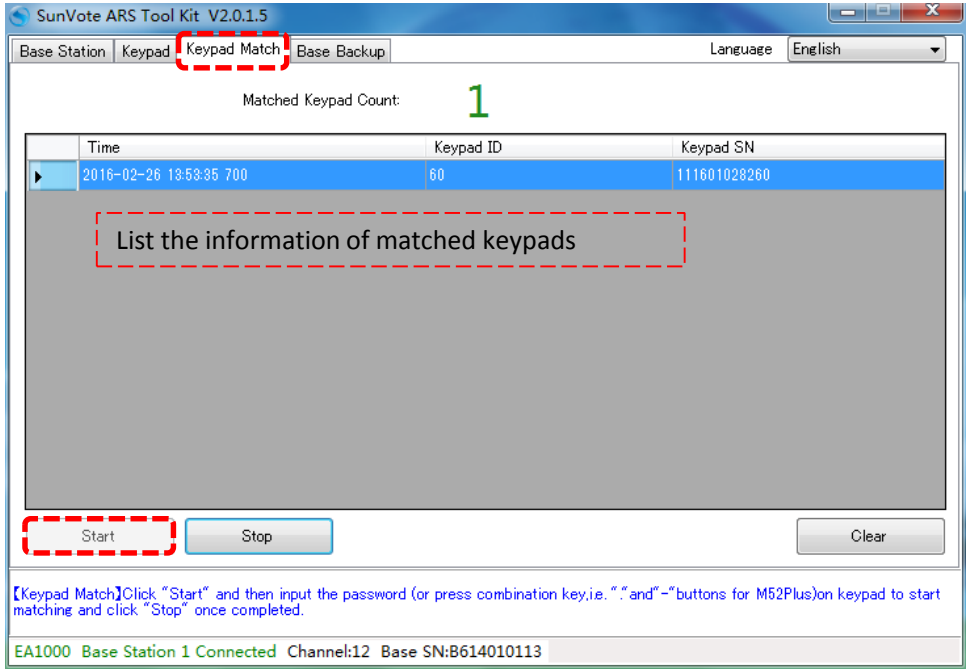


No network connection is required in the conference hall;
The projector and screen are prepared by users.

4.1.1-System Settings ：Keypad Match-Match Mode

【 **Why to Match**】 Keypad match is to create communication between keypads and base station, and make sure your system is isolated from other similar systems. Match mode is set by default from factory.

【 **How to Match**】 Please run **SunVote ARS Tool Kit** , go to **Keypad Match** and click "**Start**" after the base is connected.



Press 【↑】and 【↓】 at the same time for 3 seconds

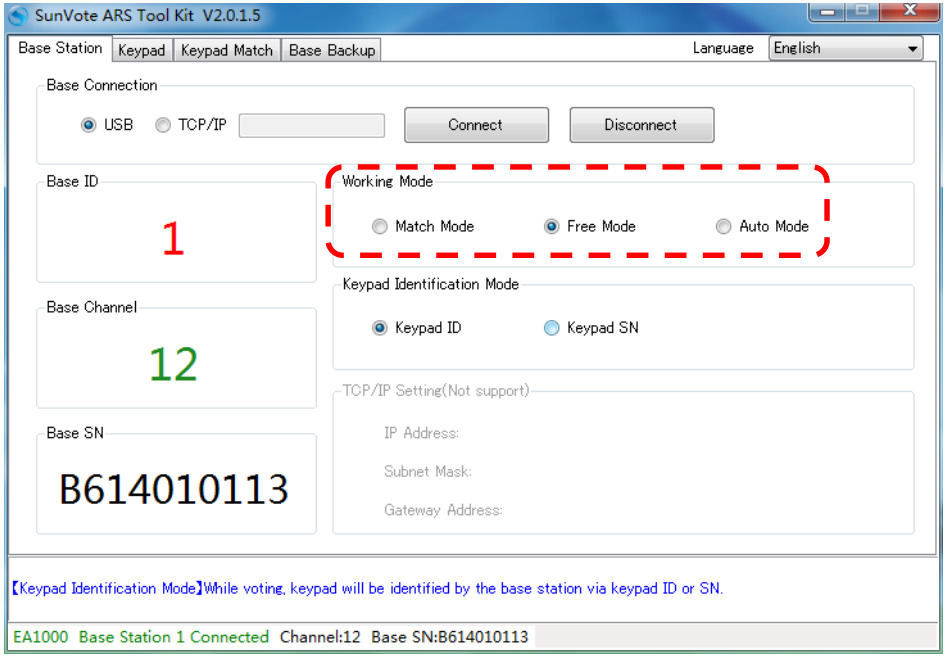
If failed, keypad will return to the last matched channel.

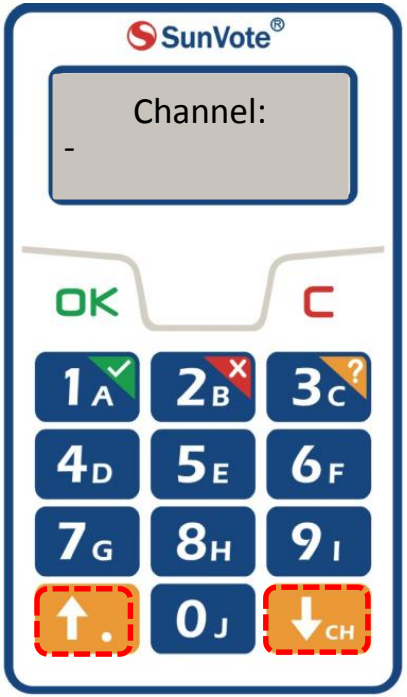
For end-user, the keypads and base station are matched before delivery.

4.1.2-System Settings ：Keypad Match-Free Mode

【 **Free Mode**】 Keypad is able to communicate with any base station freely by inputting the appropriate channel of the base.

【 **How to Set**】 Free mode is controlled by base station. However the base is set as **match mode** from factory, we may change it to **free mode** in SunVote ARS Tool Kit as shown on the bottom left.





When the free mode base is connected, follow the steps as below :

Long press 【CH】 for 3 seconds, input the correct channel when “Channel” appears on the screen, and press OK to connect .

It shows “Online” on screen after successful match.

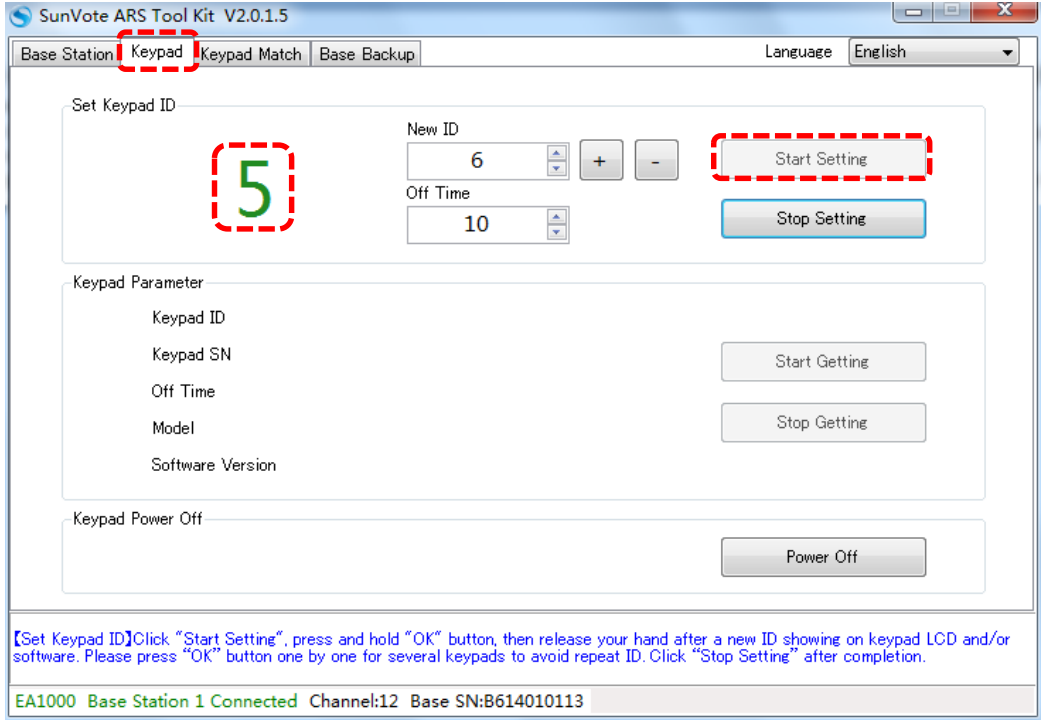
If failed, keypad will return to the last matched channel.

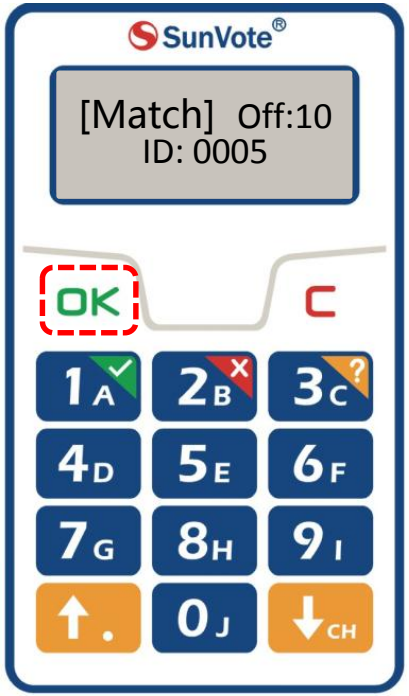
For end-user, the keypads and base station are matched before delivery.

4.2- System Settings: Set Keypad ID

【 **Why to Set ID**】 Keypad ID is convenient for device management, test and troubleshooting. ID should be unique.

【 **How to Set ID** 】 Run **SunVote ARS Tool Kit** , go to **Keypad** and click **Start Setting. Now** press and hold 【OK】 button on keypad, and release your hand after a new ID showing on keypad and toolkit. **New ID** in **ARS Tool kit** will add 1 automatically, so please press another keypad to set its ID in ascending order.





For end-user, ID is set before delivery.

Note: "Match" means match mode;
"Free" means free mode

4.3-System Settings: Management

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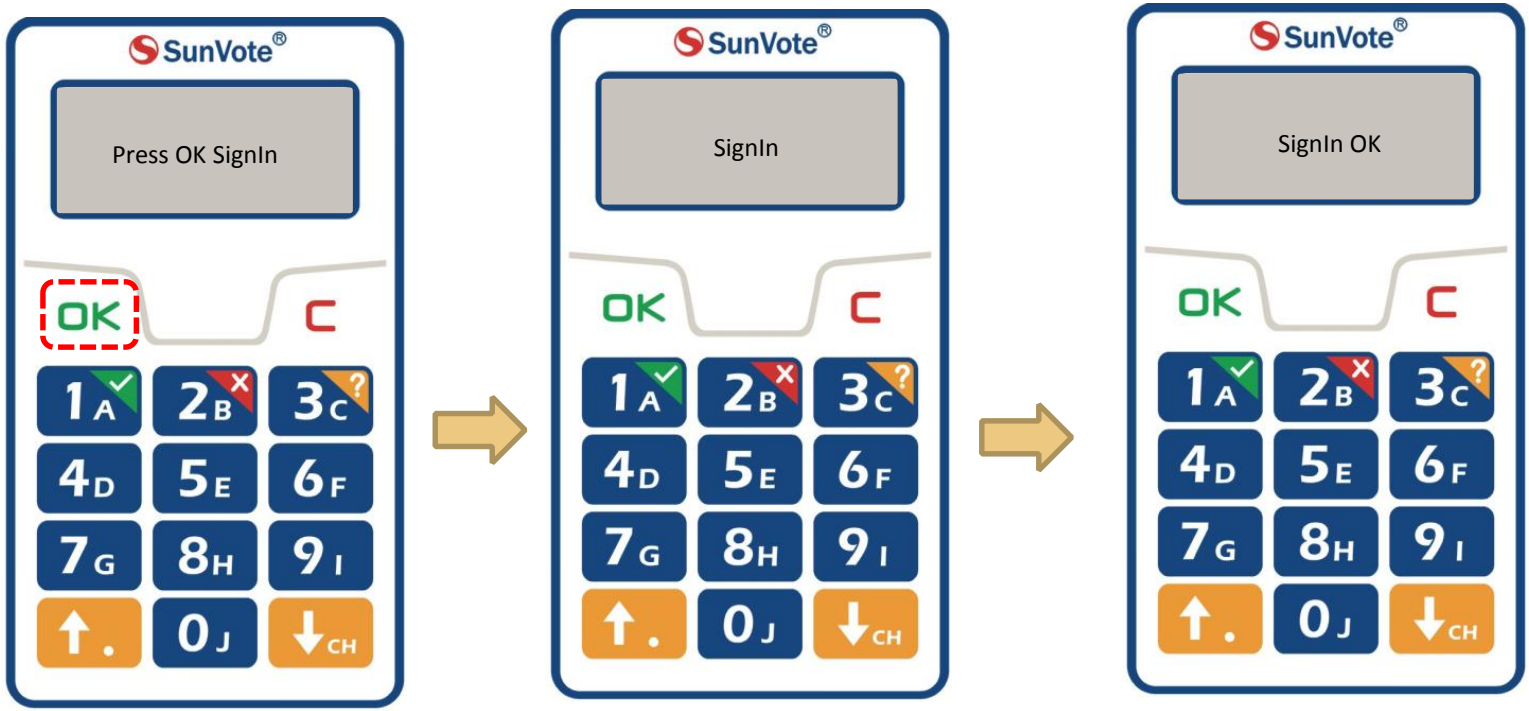
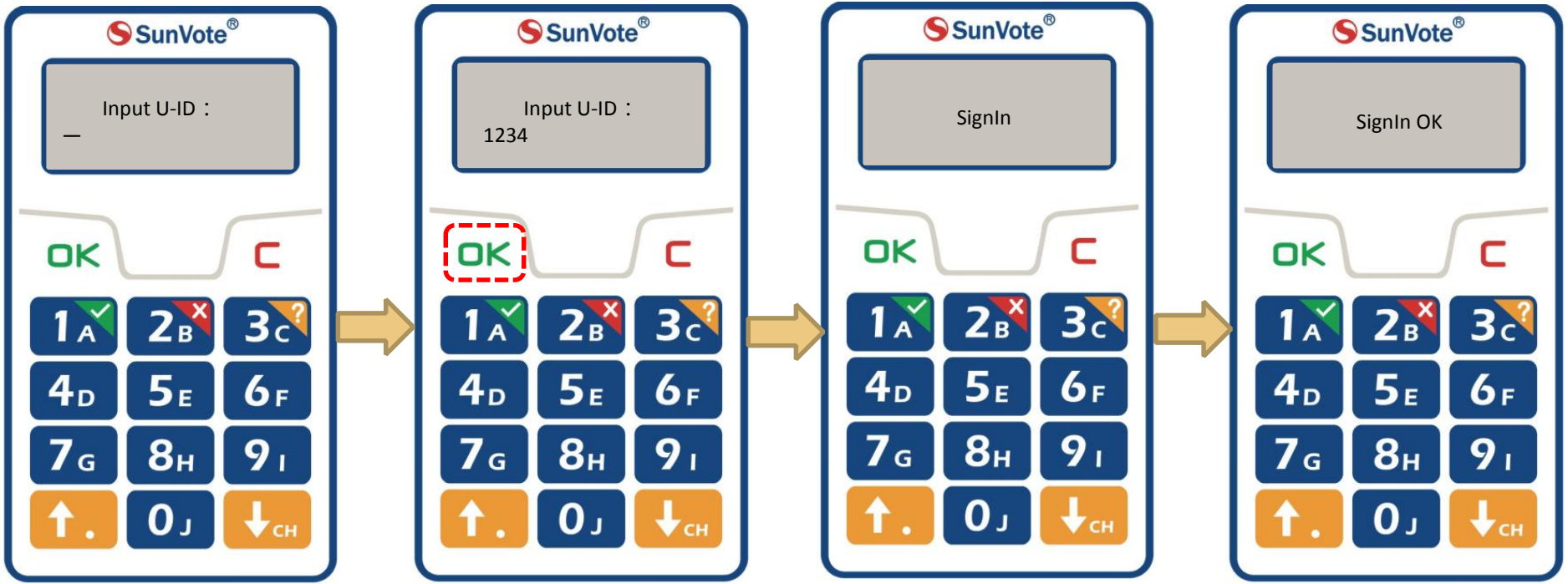
1. **Language**：Set English or Chinese by base station;
2. **Modification Mode**： Use software to allow or not allow to modify the answer. Press 【C】 to modify after submitting under modifiable mode. Press the appropriate functional buttons to resubmit directly for single choice/judge and vote;
3. **Confidential Mode**：Use software to enable or disable the confidential mode . Once enabled, LCD will only show “Received” without the exact voting value (i.e.. Yes/No/Abstain) for confidence.
4. **Submitting Mode**： Use software to allow or not allow to submit less than the selectable options. Eg.: if the selectable is set as 3 options, you may submit AC if it’s allowed; otherwise, only the answer with 3 options like BCD is acceptable.
5. **Identification Mode:** Each keypad has a unique and inalterable 12-digit serial number. Set it in software or SunVote ARS Tool Kit to identify keypad by SN/ID. If set as SN mode, the keypad SN will show in software when polling. **Note: You may have to press “OK” button to refresh the display on keypad while change from SN to ID mode.**

5.1- Voting functions：Sign in



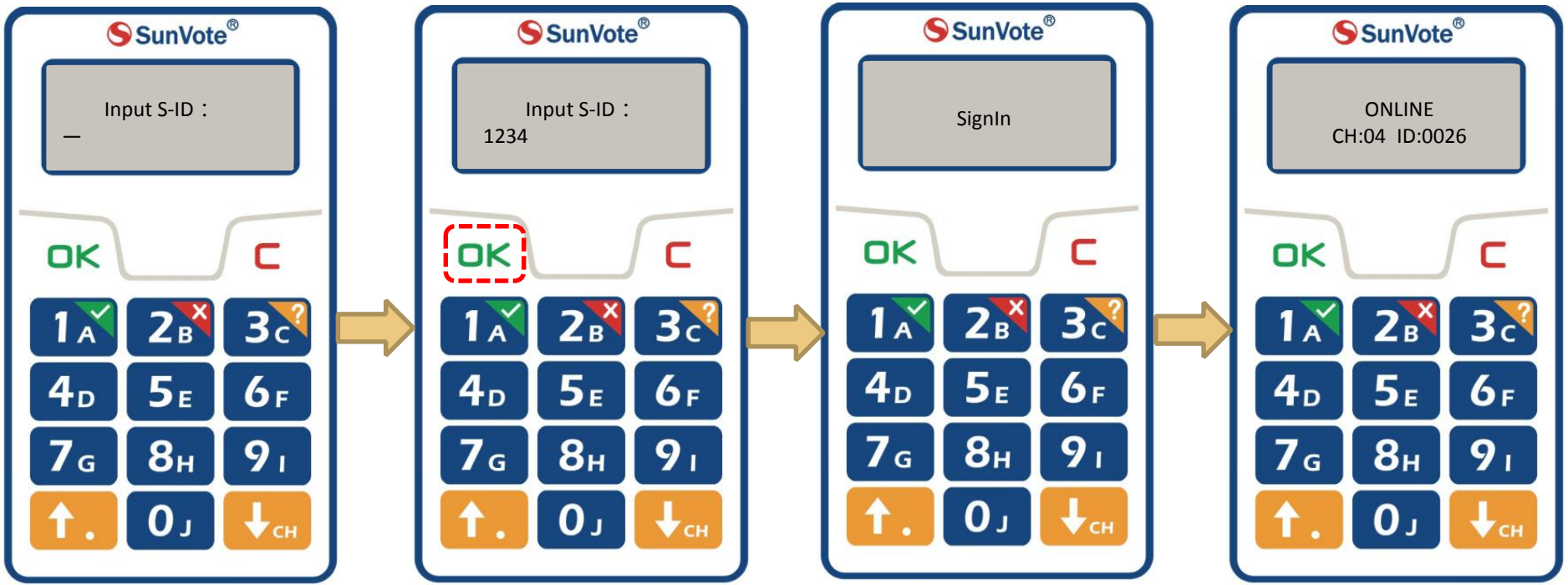
When start **Sign in**, press 【OK】 to sign in according to the indication on keypad and “signIn OK” will be displayed after successfully submitting.

5.2- Voting functions： User-ID



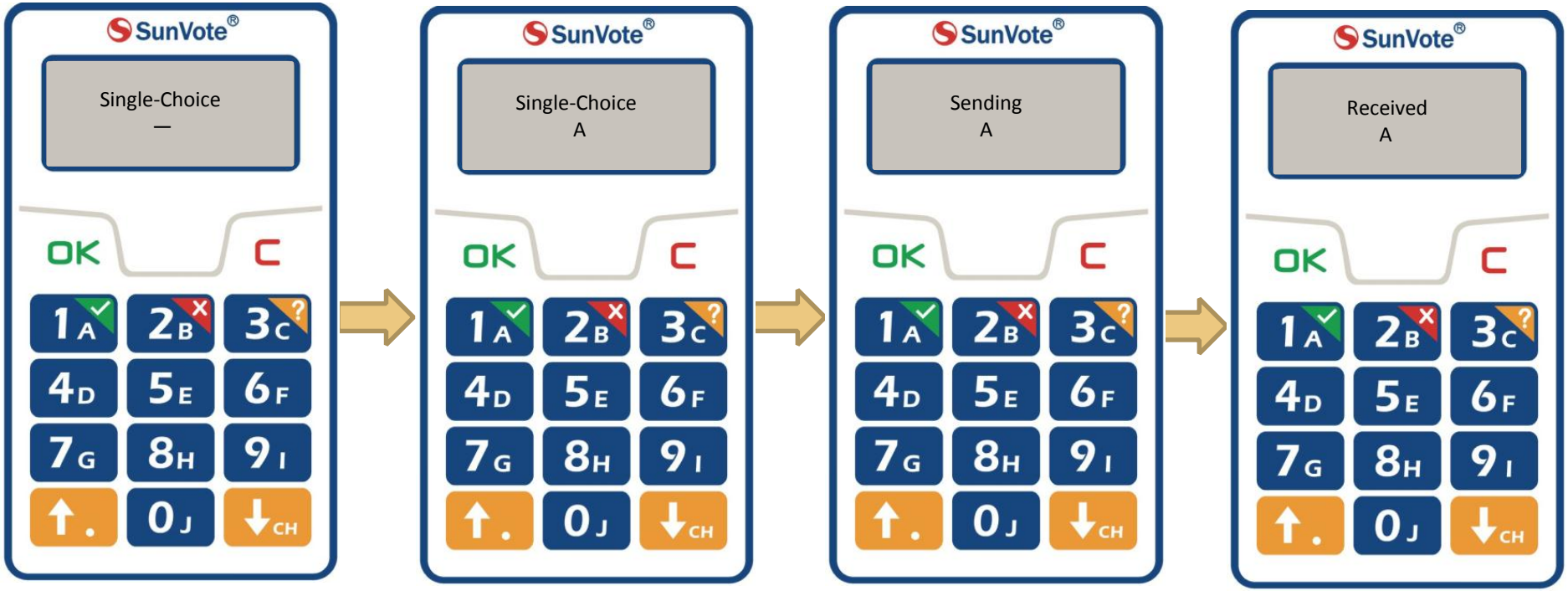
When start **Sign in**, input numbers according to the indication on keypad and press 【OK】 to sign in. “Received” will be displayed after successfully submitting. Max support 16 numerical numbers;
User-ID is a group of specific numbers to bond the randomly distributed keypad with the user, such as student ID or Staff ID.

5.3- Voting functions： Back-Stage Signin



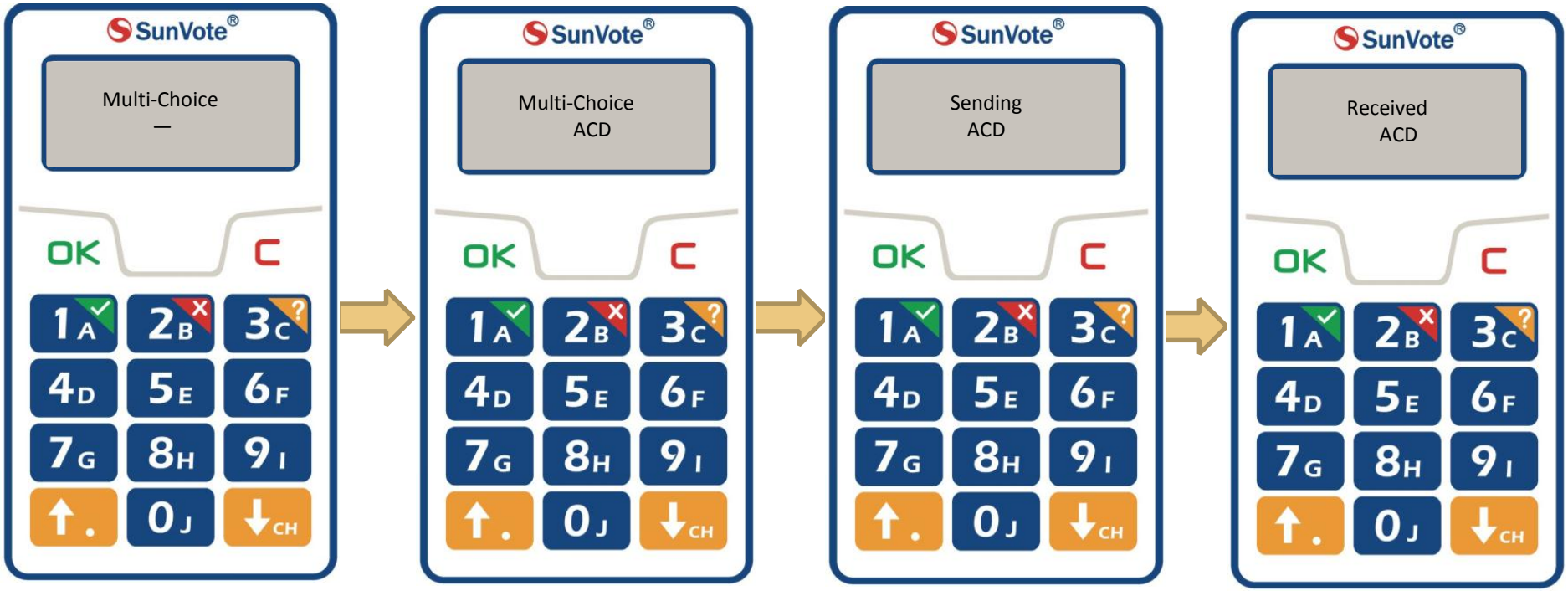
Start **Signin** by software, then input numbers while keypad shows “**Input S-ID** ”and press 【OK】 to sign in. Keypad goes to response interface after successfully submitting. Max support 16 numbers for ID mode and 12 numbers for SN mode; Back-Stage Signin means “Signin” mode is on during response, and latecomer may join the response and bond the randomly distributed keypad with him/her by inputting a group of specific numbers , such as student ID or Staff ID.

5.4- Voting functions: Single Choice



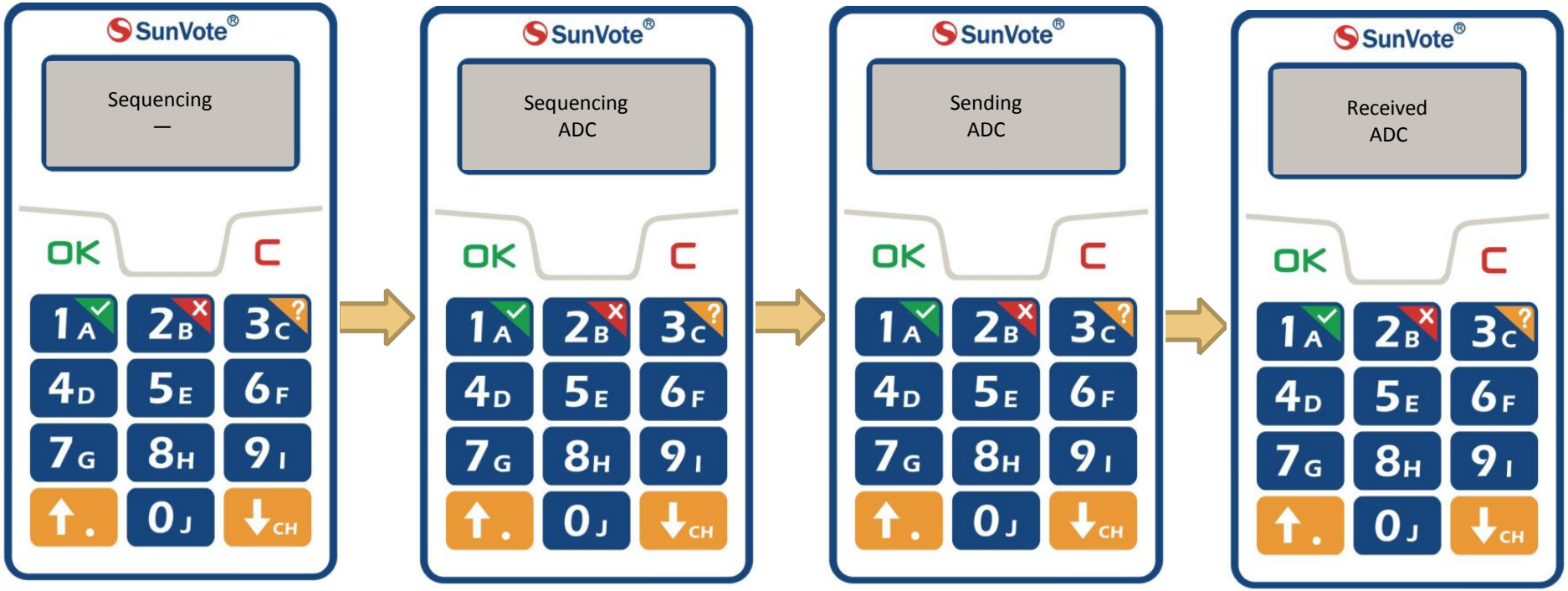
When start **response**, press alphanumeric keys to submit according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.
Set the confidential mode in software, and support maximum 1 out of 10 options.

5.5- Voting functions: Multiple Choice



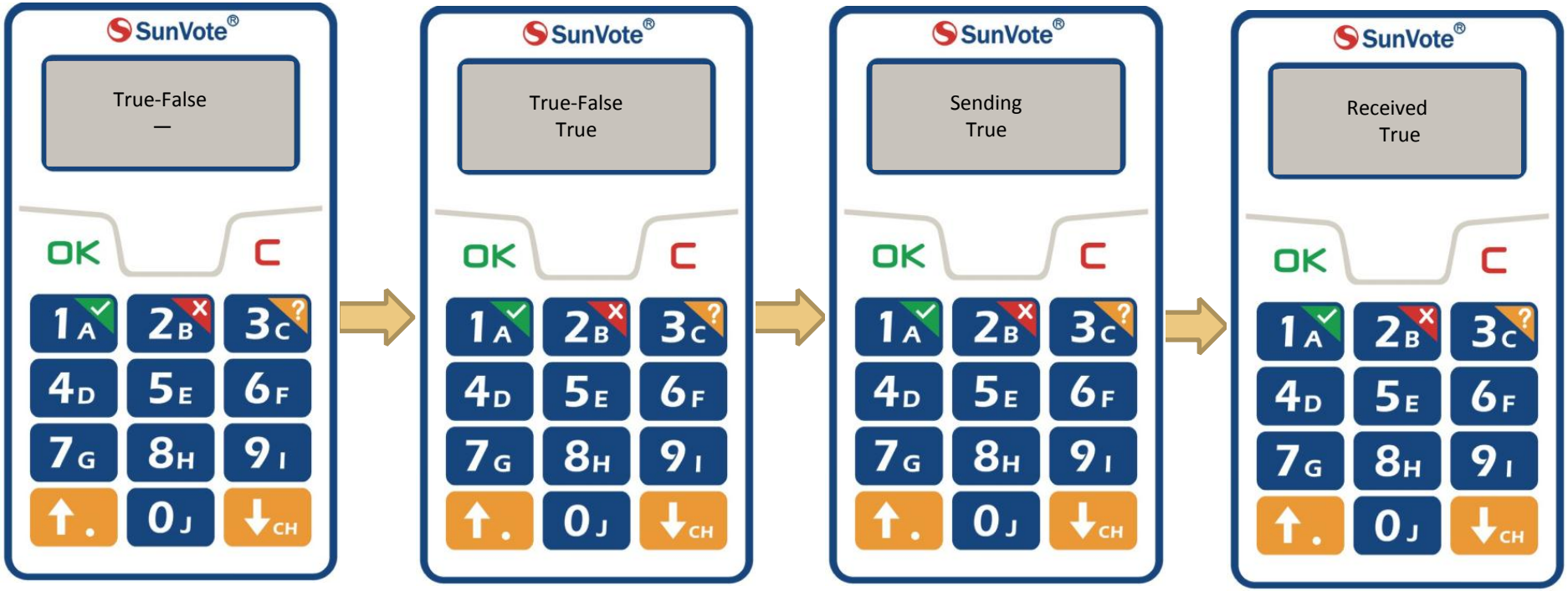
When start **response**, press alphanumeric keys to input your answer and press 【OK】 to submit according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.
Set the confidential mode in software, and support maximum 10 out of 10 options.

5.6- Voting functions: Sequence



When start **response**, press alphanumeric keys to input your answer and press 【OK】 to submit according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.
Set the confidential mode in software, and support maximum 10 out of 10 ranking options.
Set the submitting mode in software , such as repeated selection (i.e. AABC).

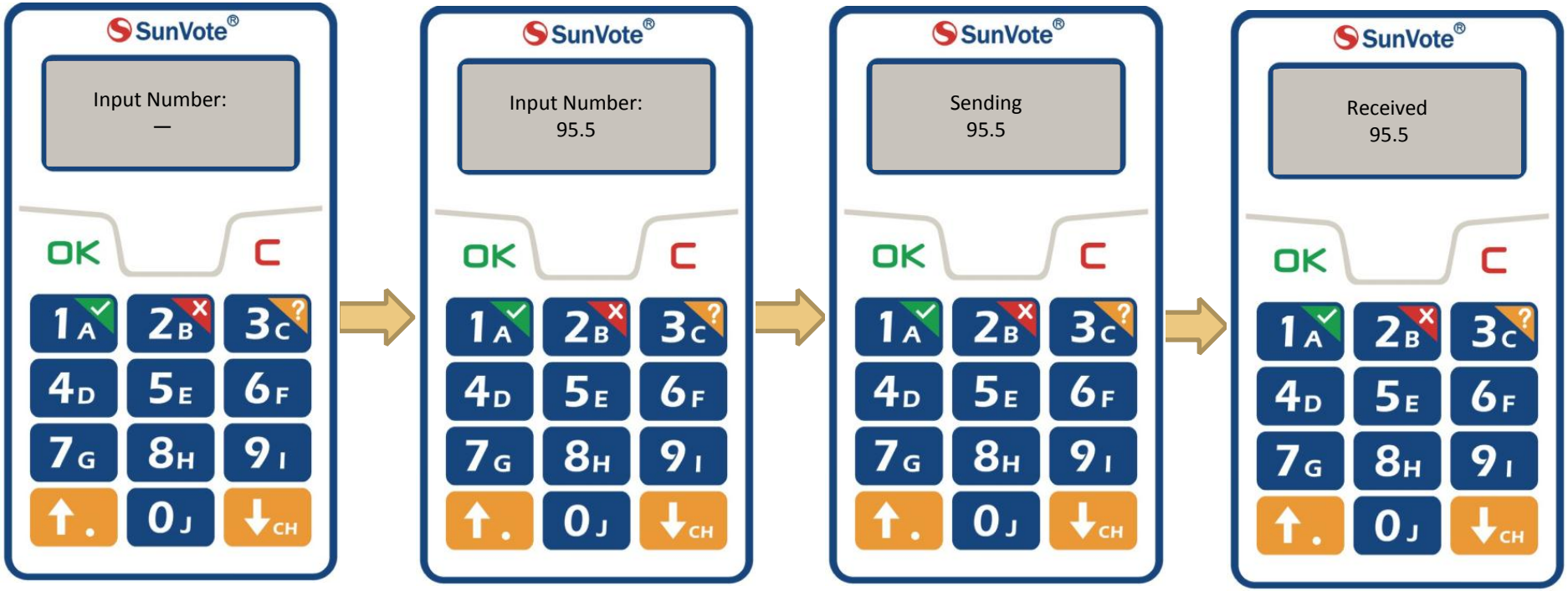
5.7- Voting functions: Judge



When start **Judge**, press √/X to submit according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.

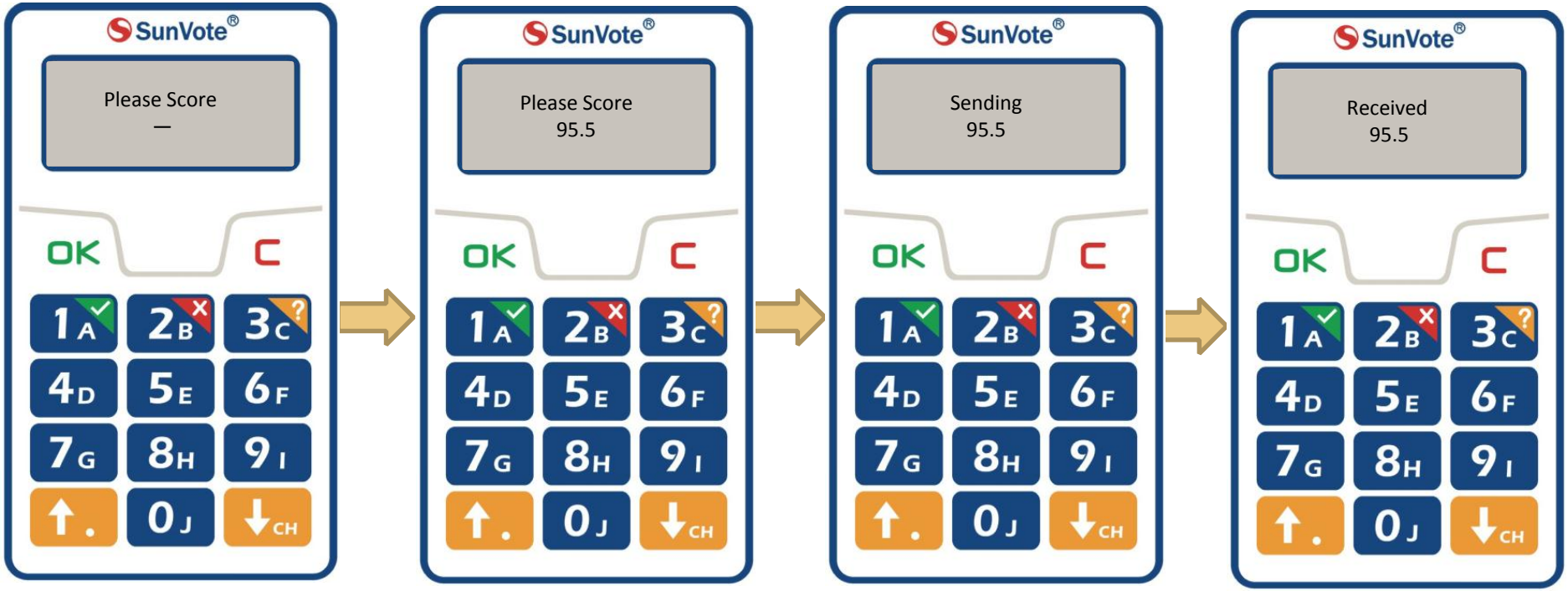
Set the confidential mode in software, and support two modes: True/False & Yes/No.

5.8- Voting functions: Numeric



When start **response**, press alphanumeric keys to input your answer and press 【OK】 to submit according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.
Set the confidential mode in software, and support maximum 16 characters including decimal point.

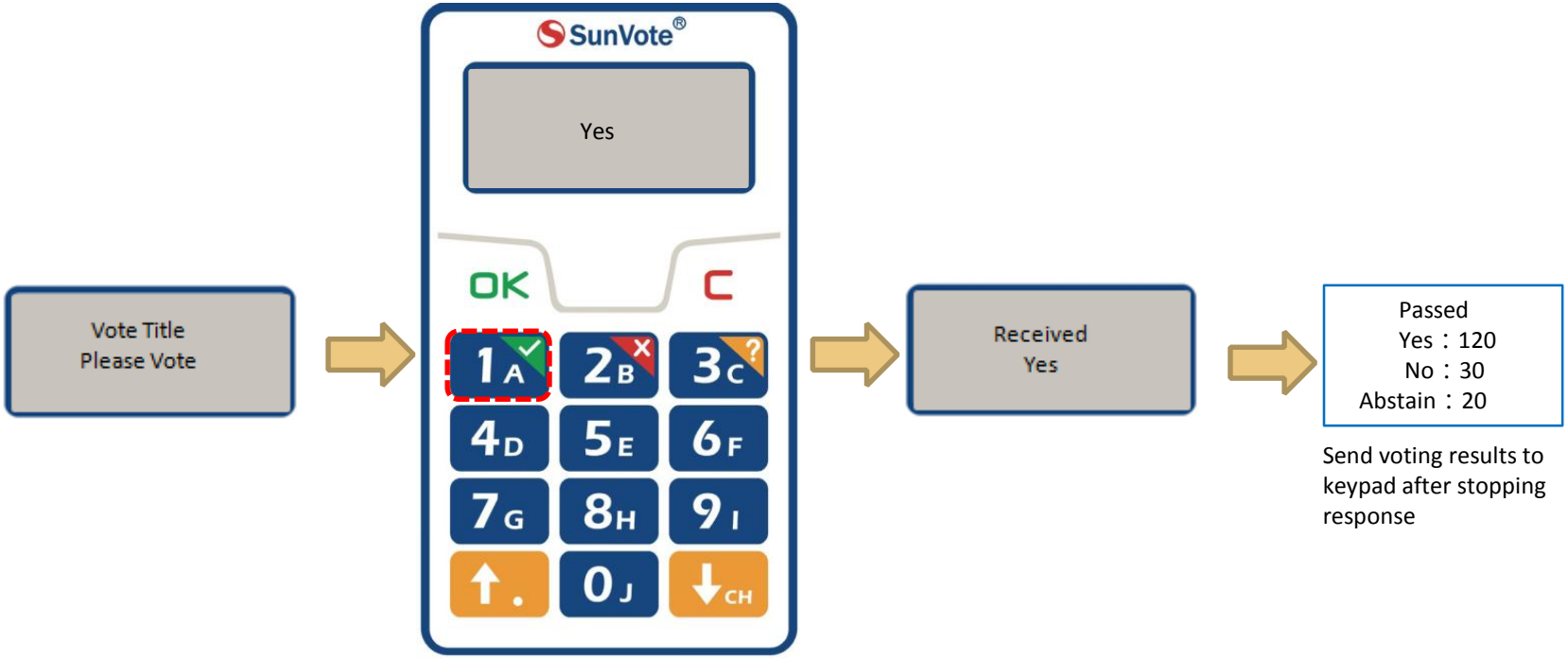
5.9- Voting functions: Scoring



When start **response**, press alphanumeric keys to input scores and press 【OK】 to submit according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.

Set the confidential mode and scoring rules in software , i.e. upper and lower limit or number of digits stay after decimal point.

5.10- Voting functions：Vote

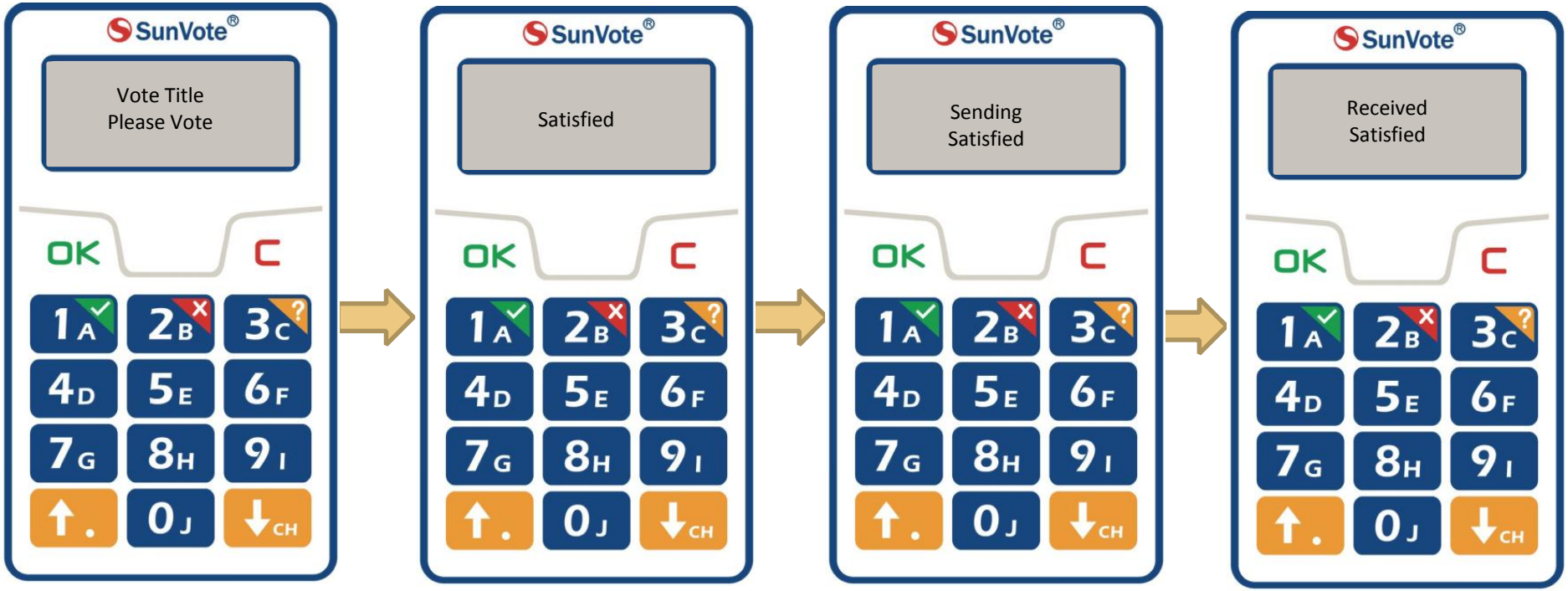


When start **Vote**, press 【√】【X】【?】(**Yes/No/Abstain)** to poll according to the indication on keypad, and **"Received"** will be displayed after successfully submitting.

Set the confidential mode and resolution title of up to 7 Chinese characters or 14 letters in software.

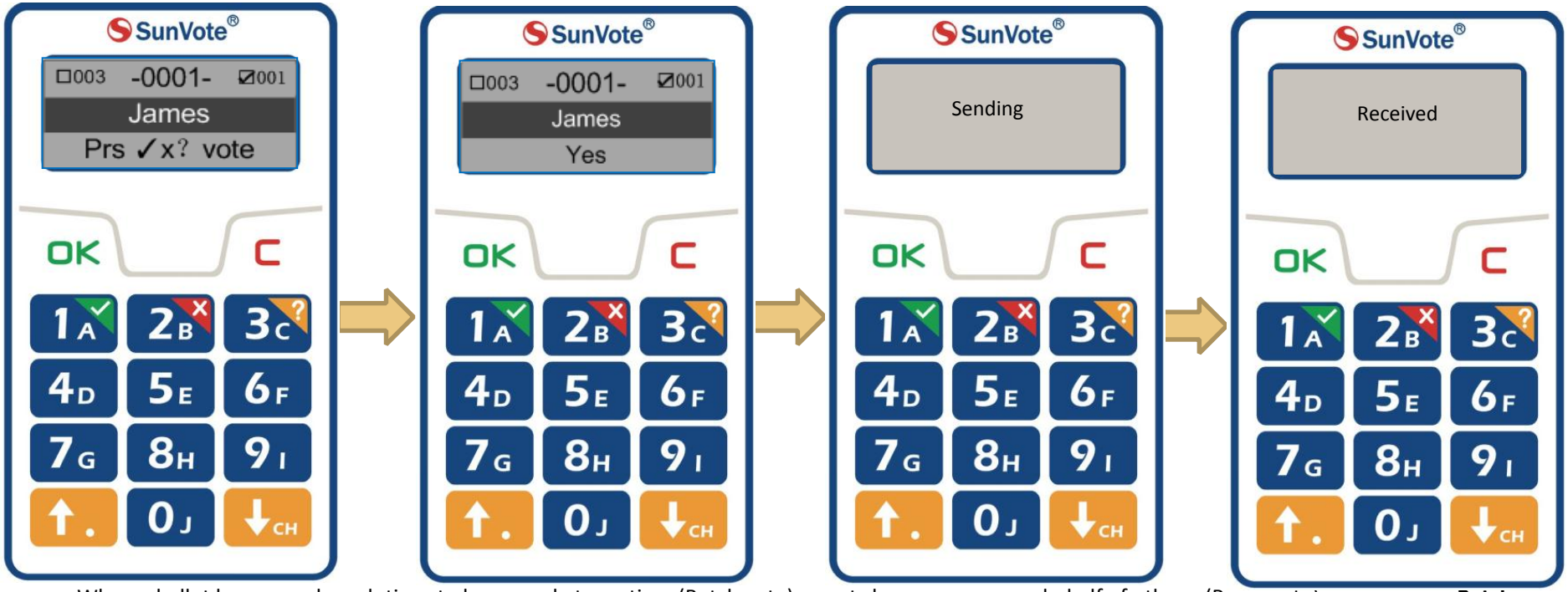
Support to send voting results to keypads.

5.11- Voting functions：Evaluation



When start response, follow the tips on the keypad, press alphanumeric keys 1/A-5/E to select the evaluation levels (8 default Chinese/English rating scales respectively) and press **OK** to submit, screen will show “Received” when successfully submitted. Set the confidential mode and resolution title of up to 7 Chinese characters or 14 letters in software.

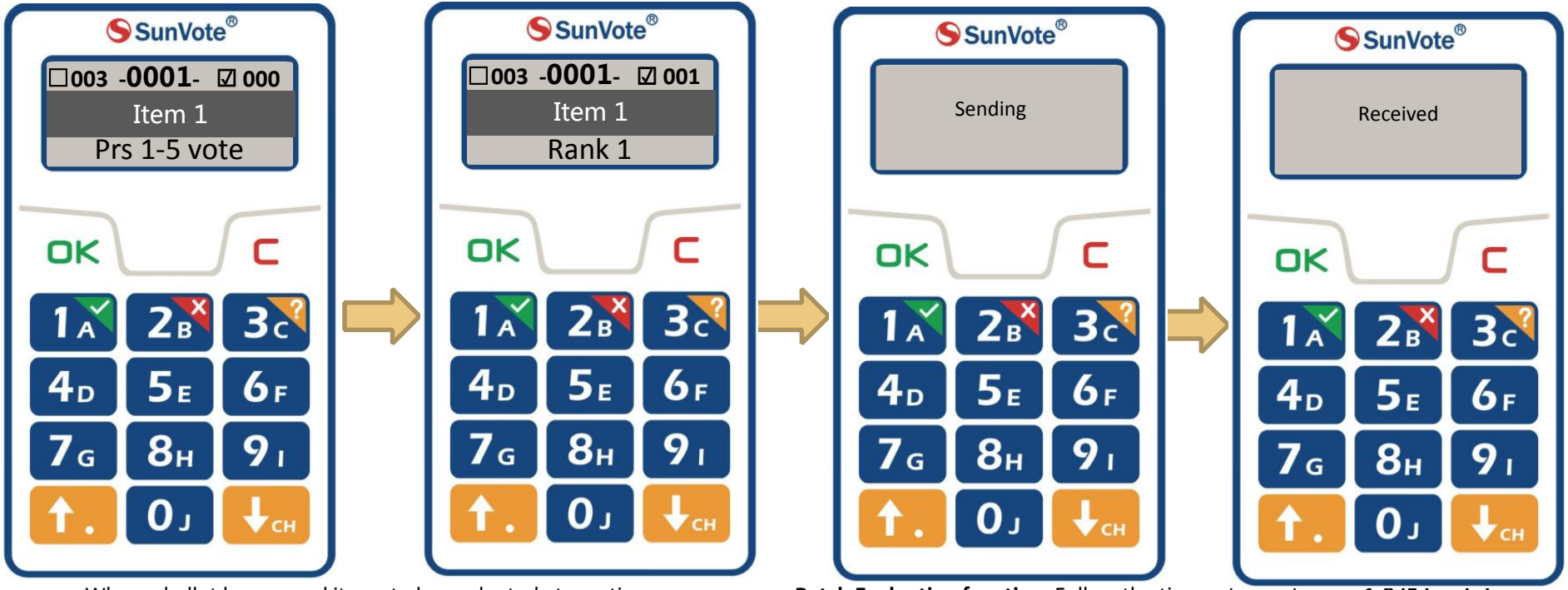
5.12- Voting functions： Batch Vote/Proxy Vote



When a ballot has several resolutions to be passed at one time (Batch vote)or casts by one person on behalf of others (Proxy vote), we can open **Batch Vote/Proxy Vote** function. Follow the tips on keypad, press **√/×/? (Yes/No/Abstain)** to vote for a resolution or one person, and press **Up/Down** to vote for other resolutions or persons, press **OK** to submit the final votes, and screen will show **"Received"** when successfully submitted.

Support to download and vote 80 resolutions or persons at most.

5.13- Voting functions： Batch Evaluation



When a ballot has several items to be evaluated at one time , we can open **Batch Evaluation function**. Follow the tips on keypad, press **1-8 (5 levels by default and customized 8 levels, i.e. rank 1-8)** to vote, and press **Up/Down** to go through the items, press **OK** to submit the final votes, and screen will show **"Received"** when successfully submitted.

Support to download and vote 80 out of 200 items at most.

5.14- Voting functions： Candidate Election

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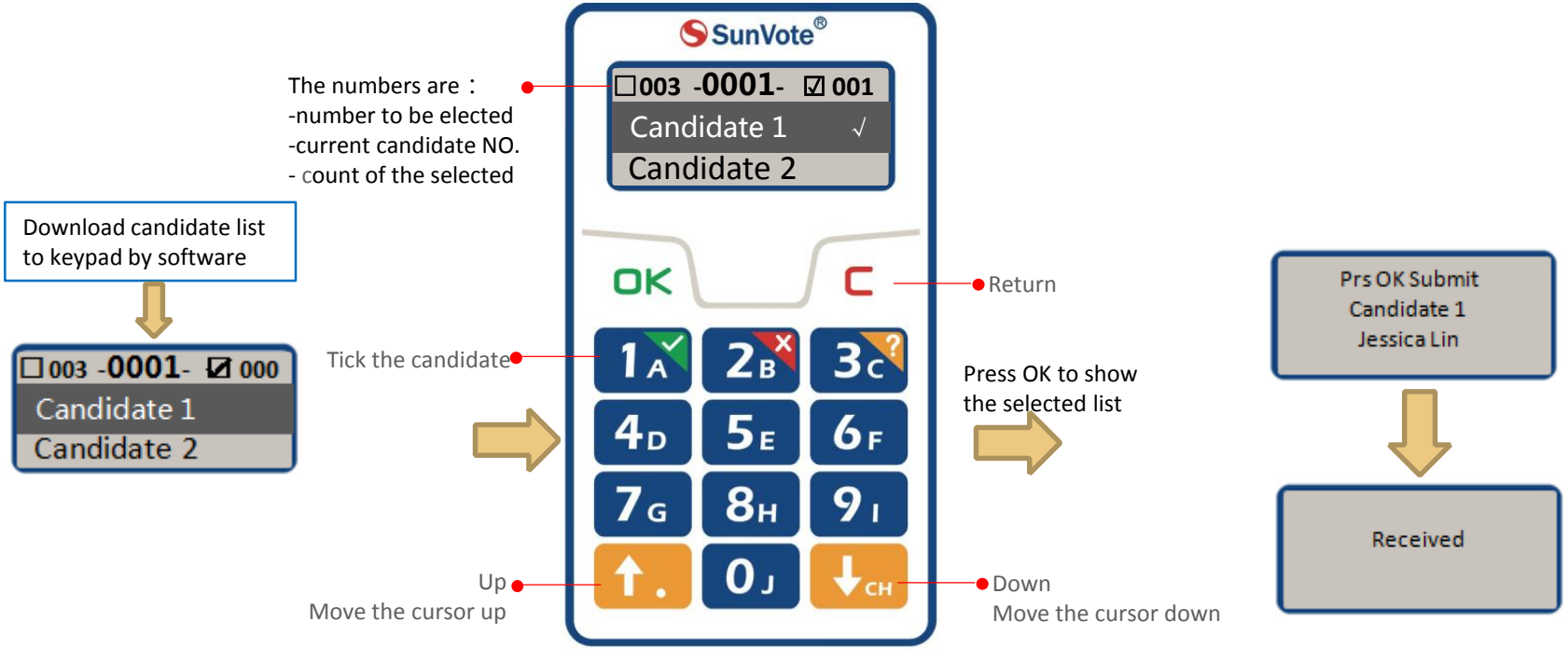
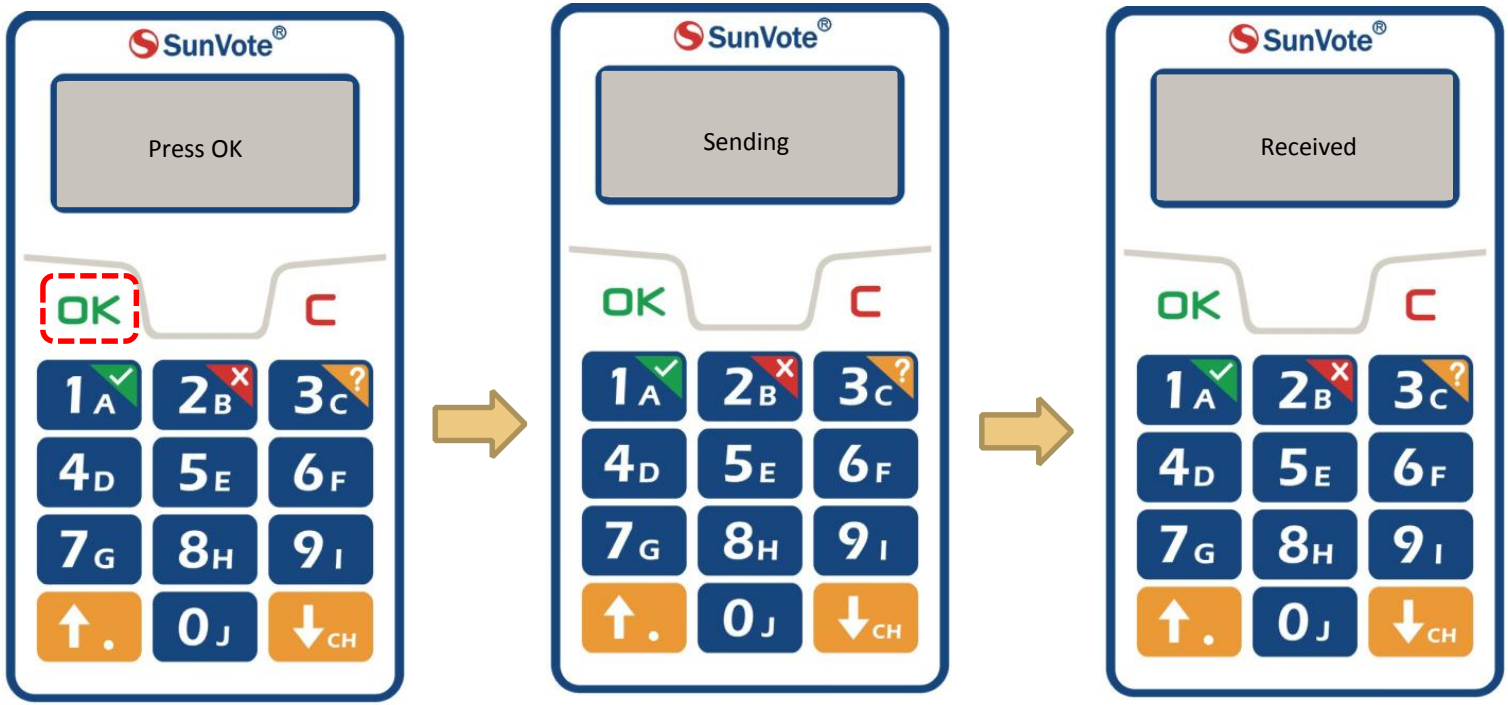


When start Election , follow the guide on keypad and press **√** to check the candidate； press **√ again** or press **× to** uncheck this candidate；Press **Up/Down** to view all the candidates. Press **OK** to confirm and submit ,and screen will show **"Received"** when successfully submitted.

Support to download and vote 80 out of 200 candidates at most.

5.11- Voting functions: Rush Answer



When start **response**, press 【OK】 for fastest response, and **"Received"** will be displayed after successfully submitting.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.