- Keep the IPBOARD（JL-）Tablet (TB3124RDV(T/8)) away from the equipment with strong magnetic

filed!

- Keep out of direct sunlight.

Important Note

- Only can be written on or controlled with Julong's specialized electronic pens.
- Make sure IPBOARD（JL-）Tablet（TB3124RDV(T/8)）is properly connected to the transceiver, and

the driver is correctly installed.

General Note

- IPBOARD（JL-）Tablet（TB3124RDV(T/8)） should be charged for about 2.5 hours before first-use.

Please charge it when in low battery. IPBOARD（JL-）Tablet（TB3124RDV(T/8)） can keep normal

operation continuously for about 10 hours (The charger indicator is red while charging, and it turns

green after full charged.)

- Do not scratch the surface or frame of the tablet with sharp or hard objects.

Content

Ⅰ Introduction

1 Brief Introduction

IPBOARD（JL-）Tablet (TB3124RDV(T/8)) enables students to participate more actively in class than ever before, and it is the smart way to provide in-class immediate assessment for users. It is bringing a revolution to the education filed.

One-to-multi wireless tablet (JL- TB3124RDV(T/8)) support has been added to IPBOARD Vote Edition. Using the related software or buttons, teachers can designate a student to write on the tablet, as well as conducting application of the software or restricting student's writing permission. It allows students to answer questions in the form of full sentences, numbers, symbols, etc.; in addition, teachers can conduct test with the buttons on the tablet in the course of answering, such as switching questions, checking the correct answer, tracking students' performance and viewing answer statistic, etc.

Each student has the chance to express opinions through student terminal, moreover, teachers can get the feedback of students' in-class performance timely by using the tablet.
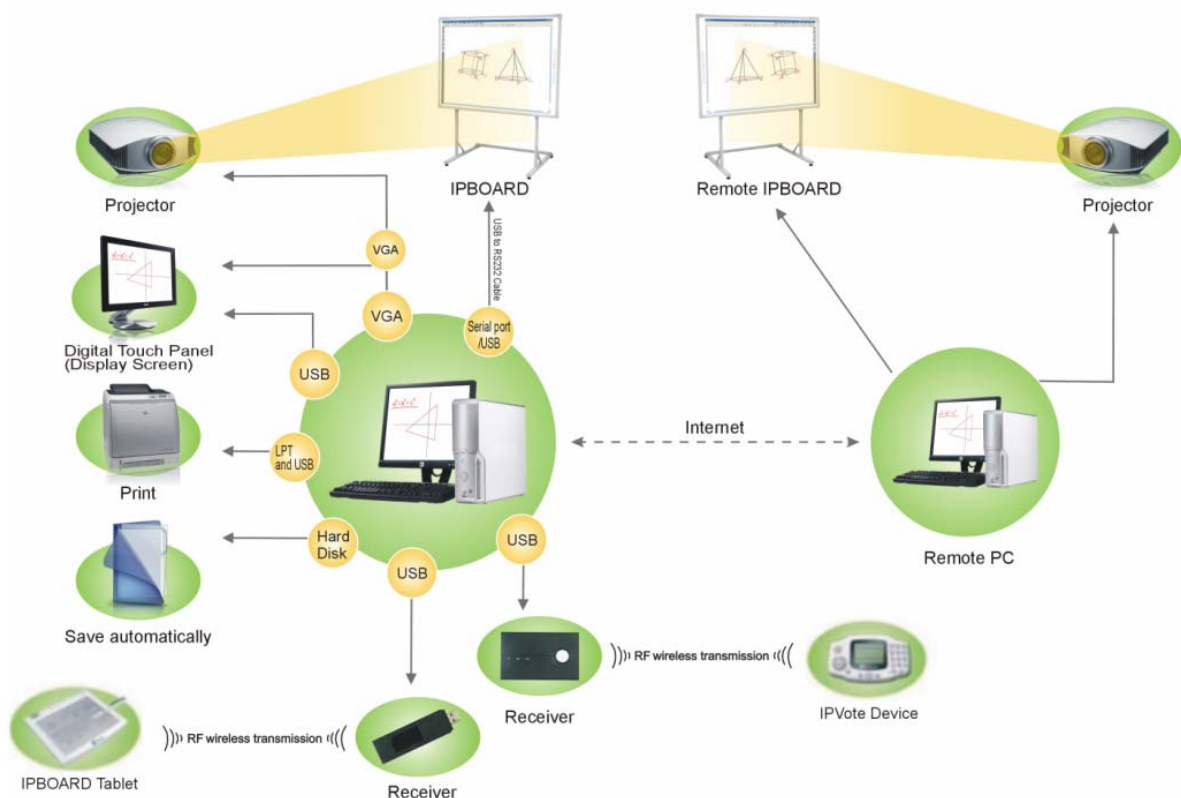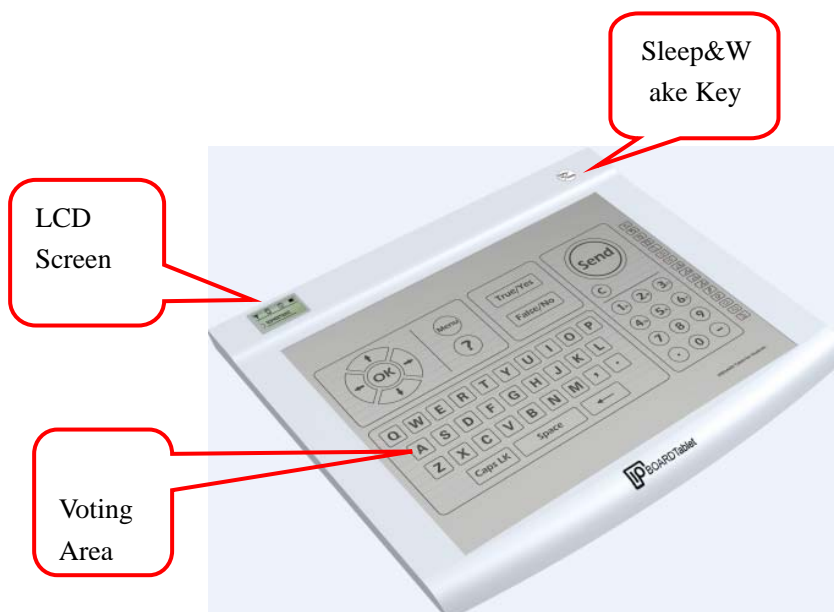
Ⅱ Unpacking IPBOARD（JL-）Tablet (TB3124RDV(T/8))

1 IPBOARD（JL-）Tablet (TB3124RDV(T/8)) Set

  The interactive system of IPBOARD（JL-）Tablet consists of IPBOARD Vote Edition, IPBOARD（JL-）Tablet (TB3124RDV(T/8)), transceiver and electronic pens. And there are two types of IPBOARD（JL-）Tablet (TB3124RDV(T/8)): IPBOARD（JL-）Tablet for teachers (teacher's tablet) and IPBOARD（JL-）Tablet for students (student's tablet).
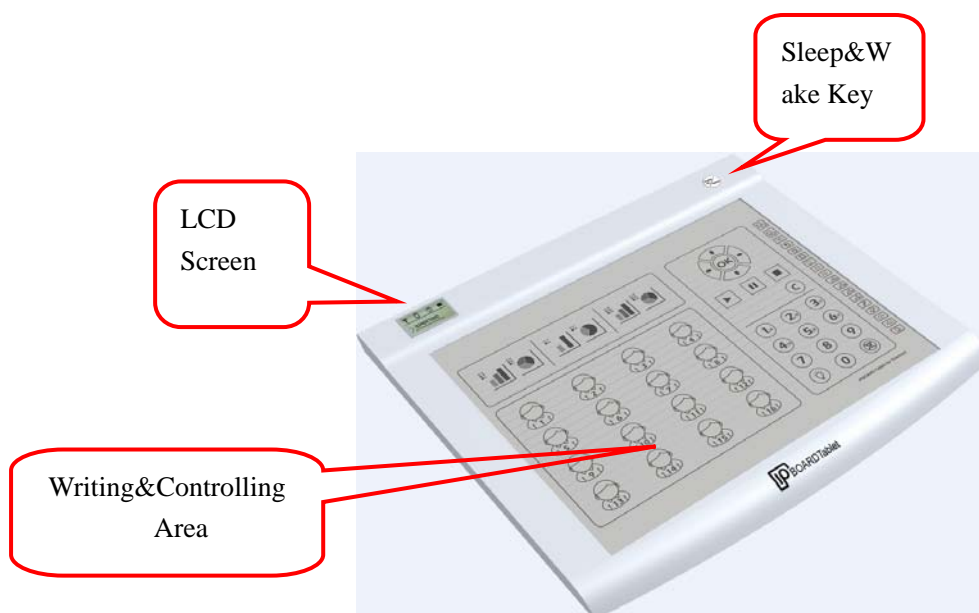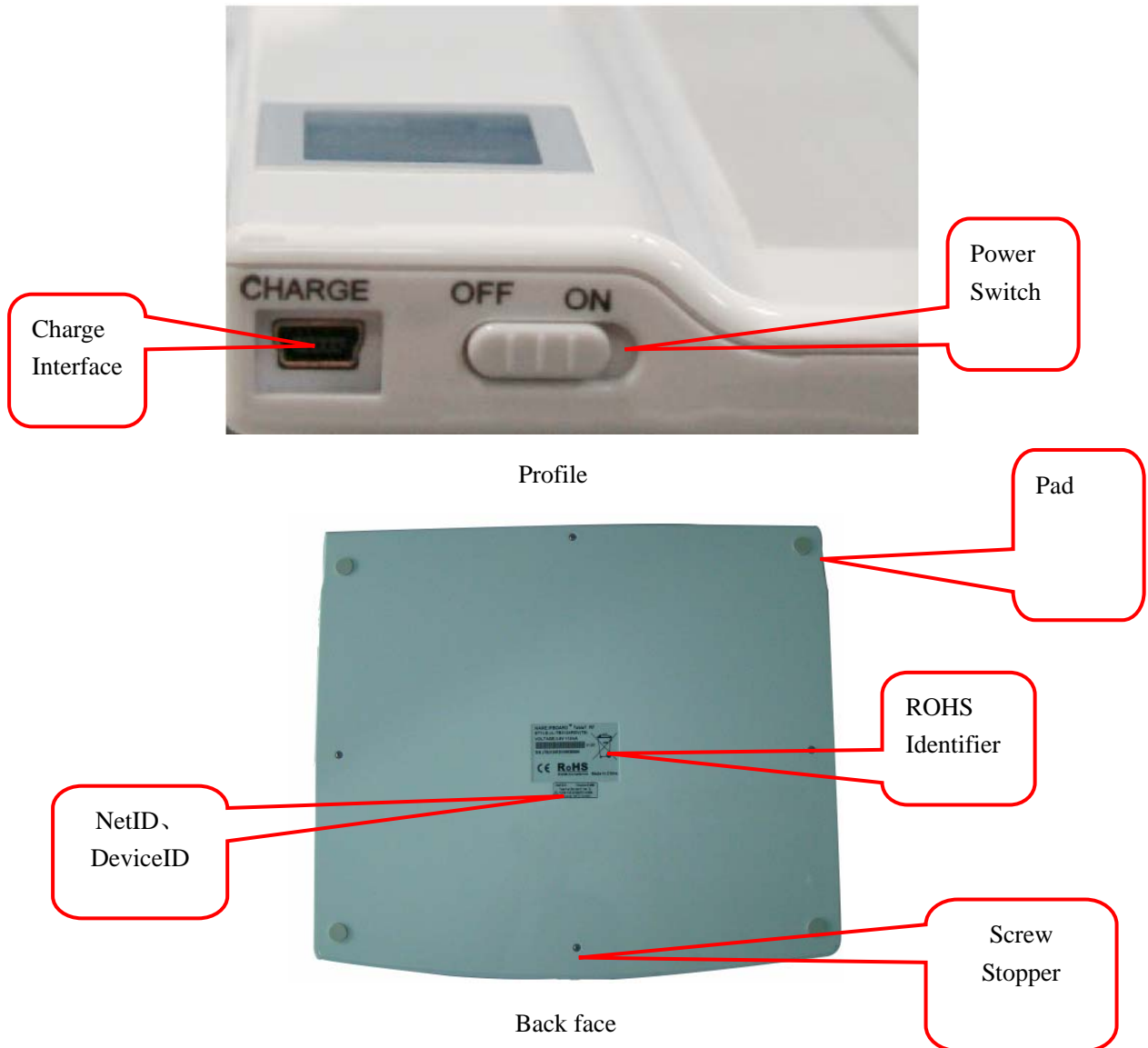

Front face of 1-to-16 IPBOARD（JL-）Tablet for teachers

（The models of IPBOARD（JL-）Tablet: 1/8 (T8), 1/16 (T16), 1/24 (T24), 1/32 (T32), 1/48 (T48). The image is for reference only, subject to the delivered goods.）

IPBOARD（JL-）Tablet for students

Charge
Interface

Power
Switch

Profile

Pad

ROHS
Identifier

NetID、
DeviceID

Screw
Stopper

Back face

➢ If the tablet network conflicts with the nearby wireless device, users can modify the ID number to solve such problem.

➢ Device ID is corresponding to the student's number, which can be used to identify different terminals. In addition, the Device ID of teacher's tablet is a fixed value of 999.

2 Standard Accessories

Standard Accessories include:

Description	Quantity	Purpose	Figure
Specialized Electronic Pen for IPBOARD（JL-）Tablet (TB3124RDV(T/8))	2	The pens specially designed for IPBOARD（JL-）, with AAA batteries of 1.5V	
Transceiver	1	Ensure that the computer connect with IPBOARD（JL-）Tablet (TB3124RDV(T/8))	
IPBOARD（JL-）Vote Edition Install Disc	1	IPBOARD（JL-）Tablet (TB3124RDV(T/8)) driver and application	
IPBOARD（JL-）Tablet (TB3124RDV(T/8)) Manual	1	Operation introduction	
Charger	1	To charge IPBOARD（JL-）Tablet (TB3124RDV(T/8))	

Ⅲ Installation of IPBOARD Vote Edition

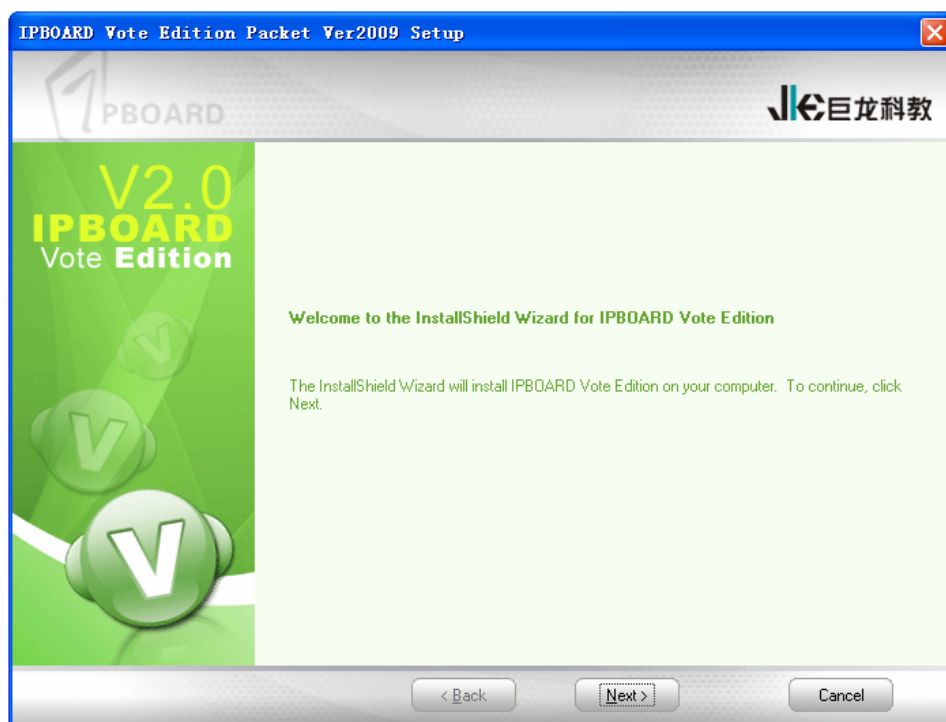3.1 Insert *IPBOARD Vote Edition Software* disc

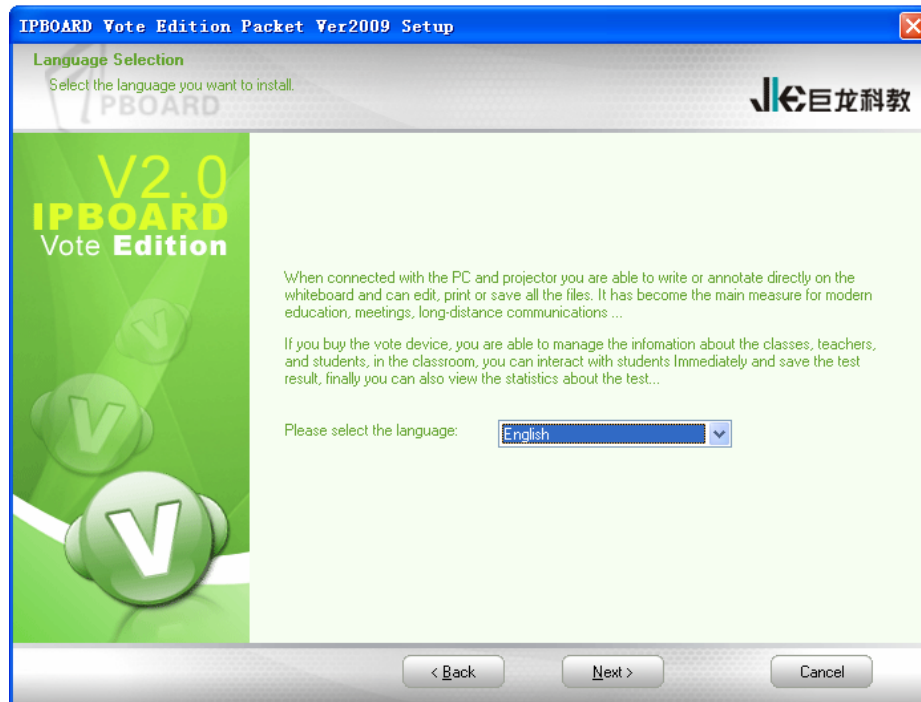3.2 Click the program icon

3.3 Proceed to setup wizard window
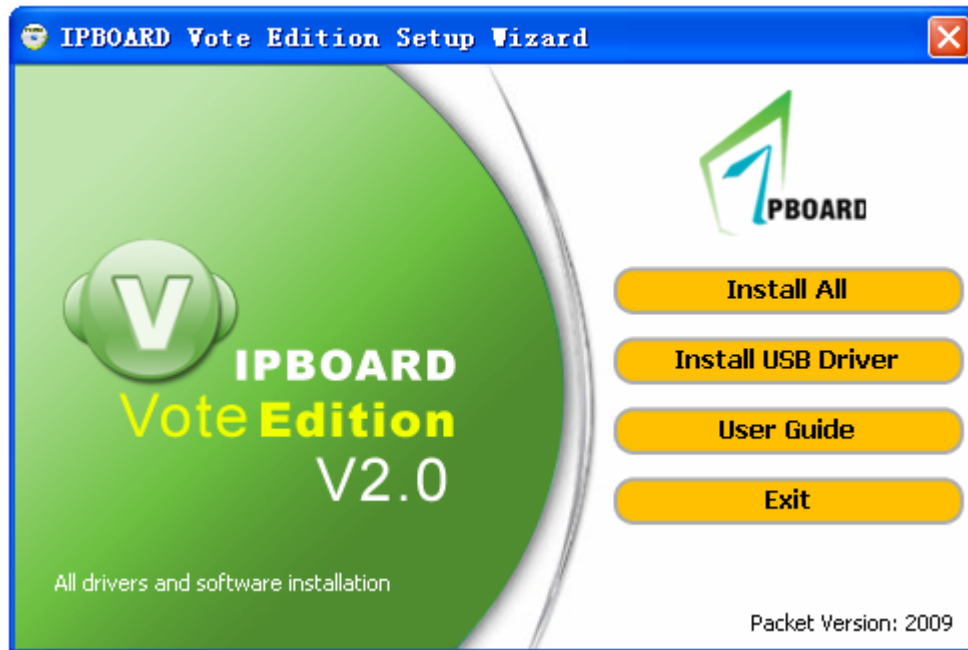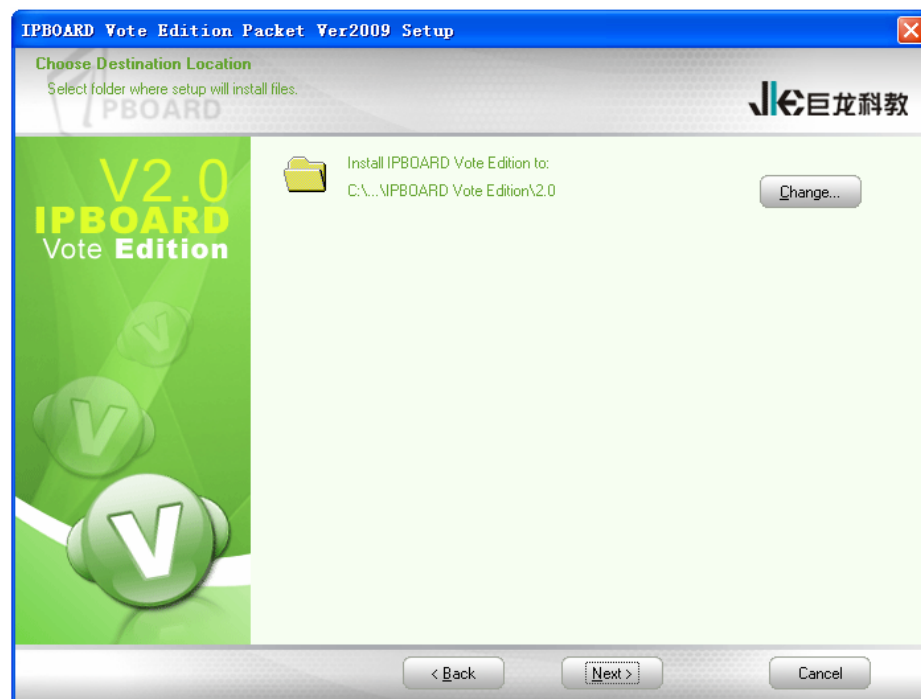

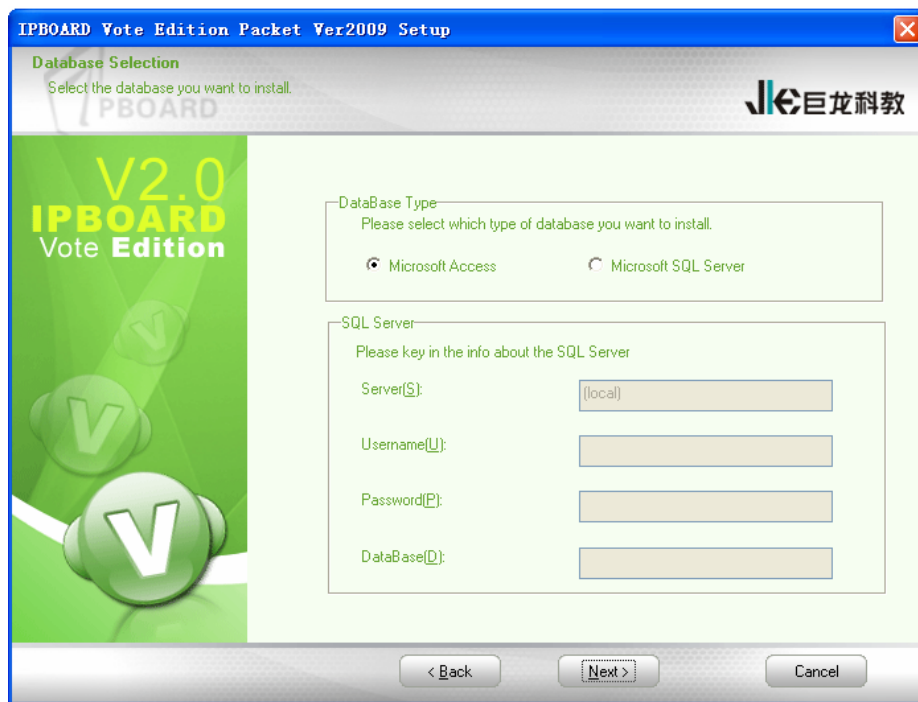3.4 Click to install IPBOARD Vote Edition and drivers.

3.5 Start the installation
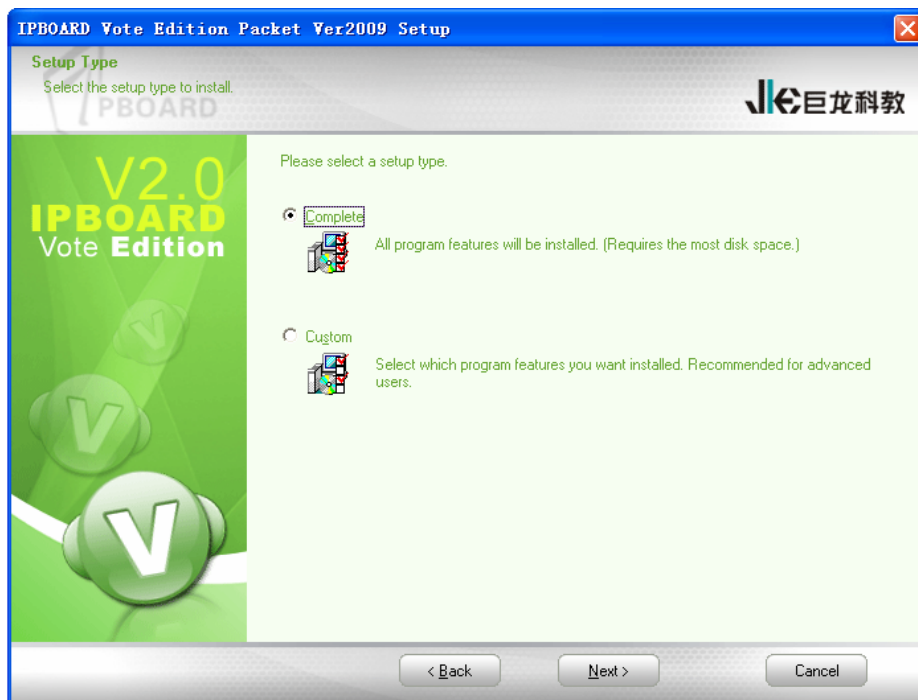
3.6 Select the language you want to install.

3.7 Choose destination location.
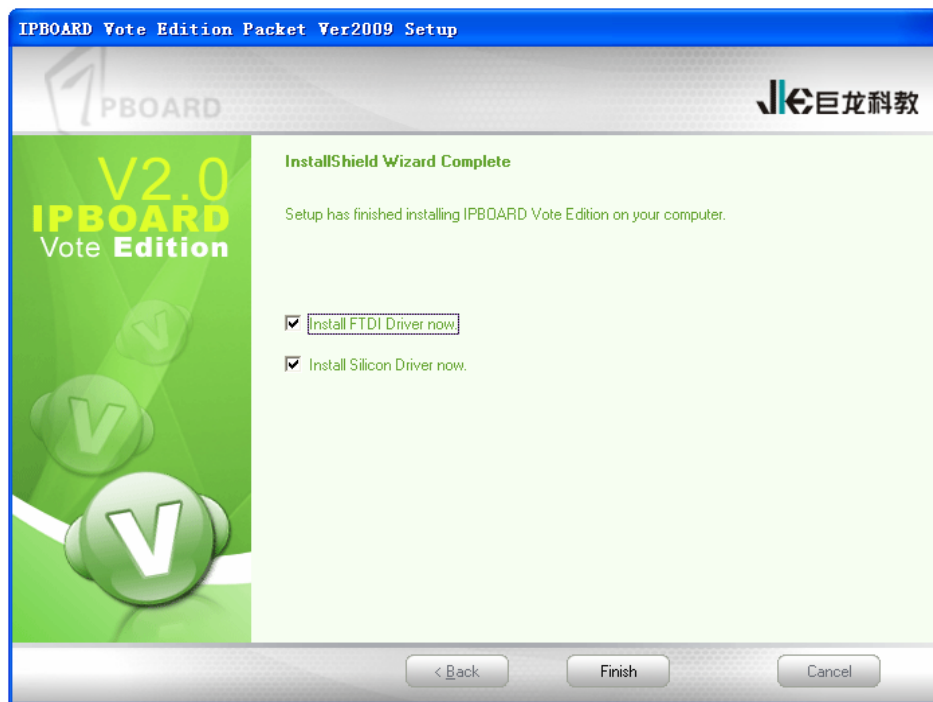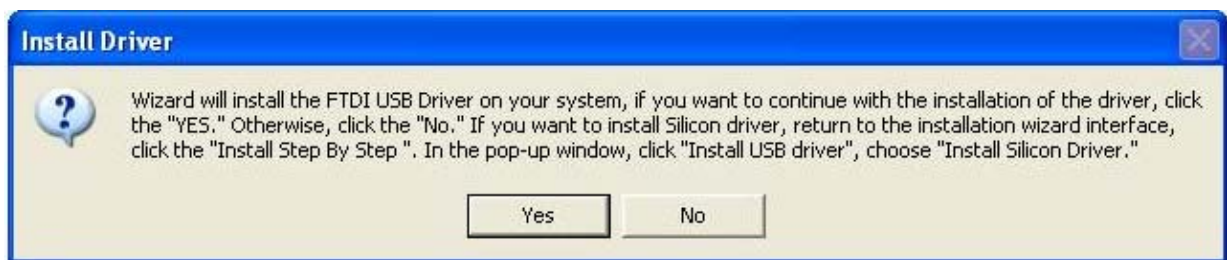

3.8 Select the database you want to install

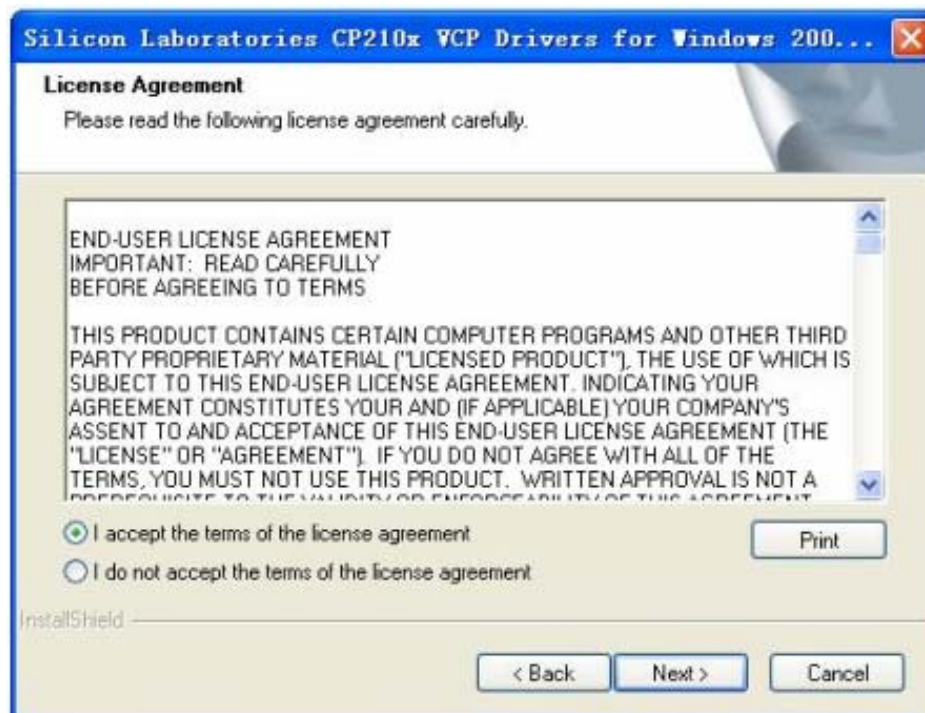3.9 Select the setup type.
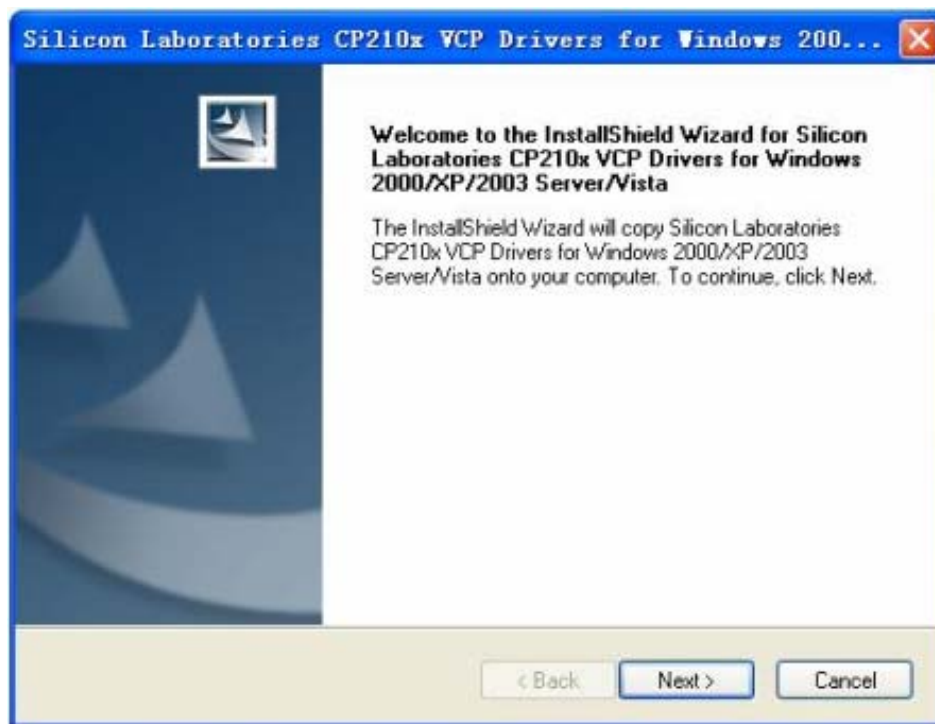

3.10 Complete installation.

3.11 The USB driver installation prompt will be displayed after software installation. FTDI USB driver will be installed by default firstly; and then the Silicon driver for IPBOARD（JL-）Tablet (TB3124RDV(T/8)) can be installed subsequently.
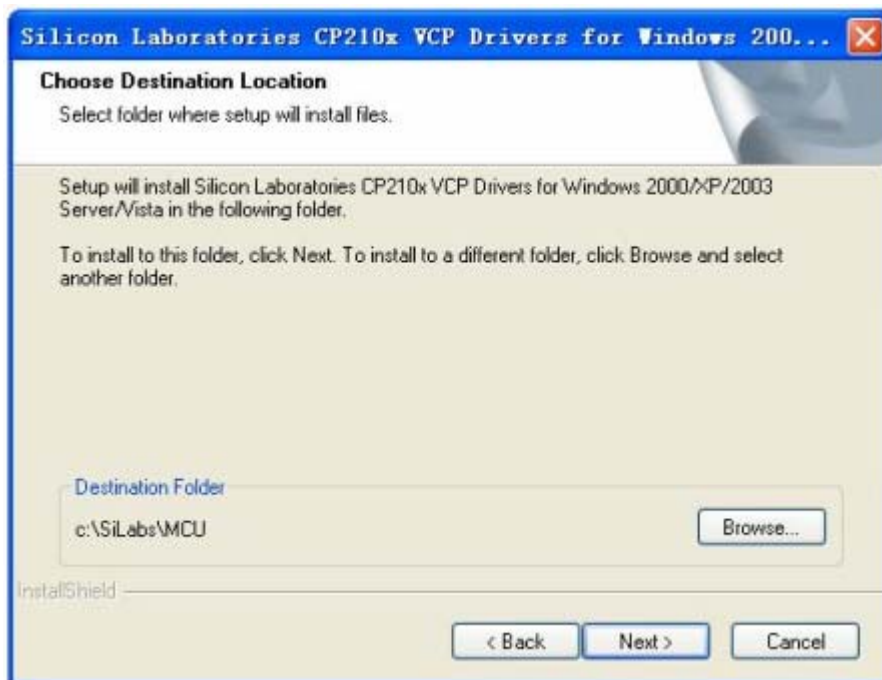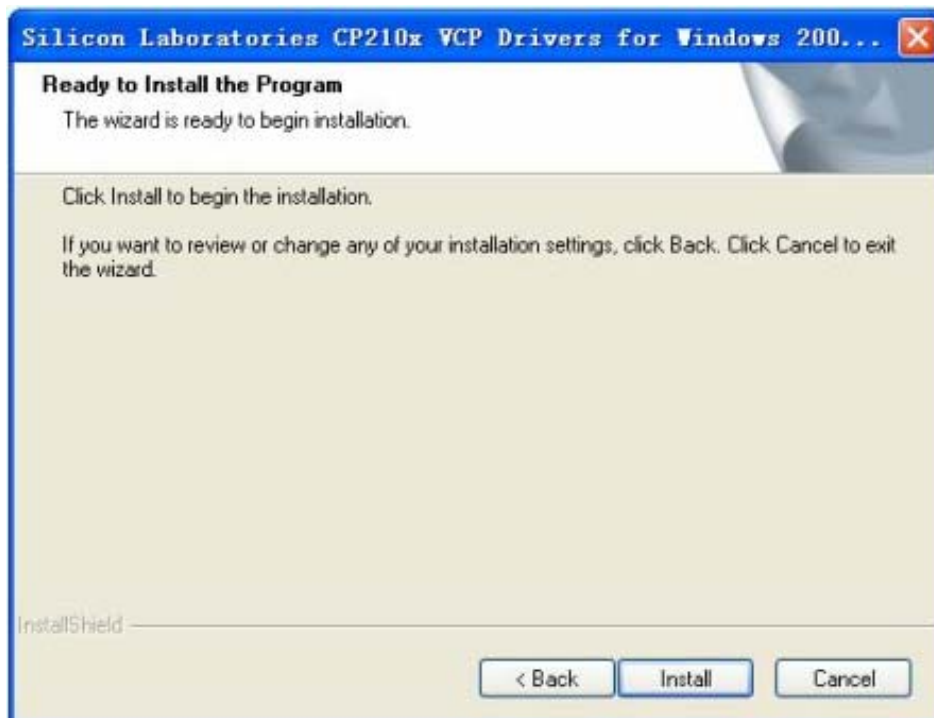

3.12 Complete the installation of FTDI driver

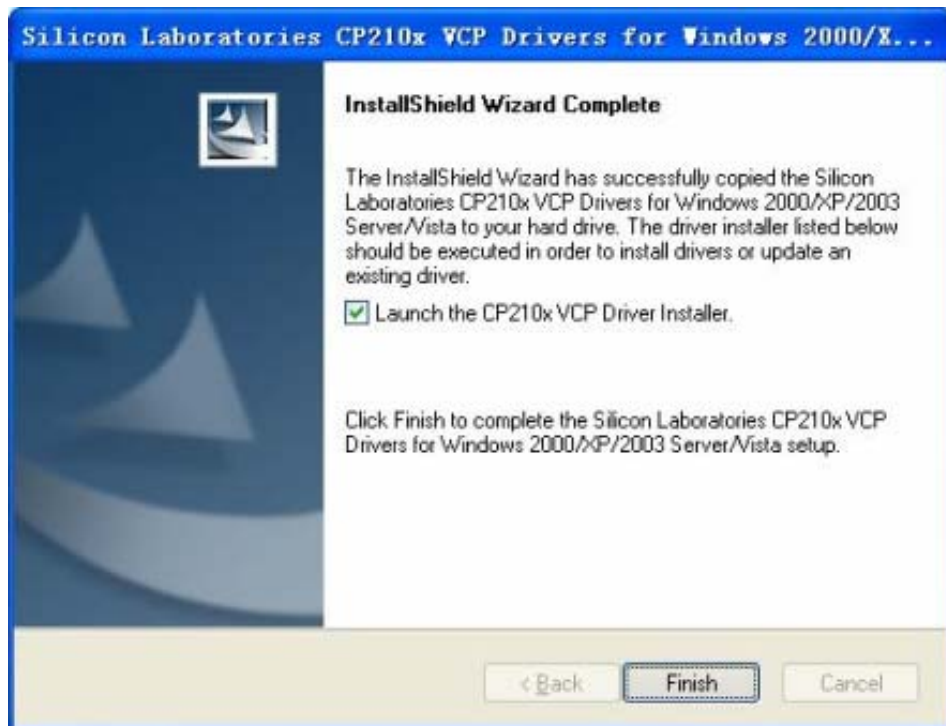3.13 Then Silicon driver setup dialog will pop up.

3.14 Choose destination location.

Silicon Laboratories CP210x VCP Drivers for Windows 200...

Choose Destination Location
Select folder where setup will install files.

Setup will install Silicon Laboratories CP210x VCP Drivers for Windows 2000/XP/2003 Server/Vista in the following folder.

To install to this folder, click Next. To install to a different folder, click Browse and select another folder.

Destination Folder

c:\SiLabs\MCU

Browse...

InstallShield

< Back   Next >   Cancel

3.15 Start the installation

Silicon Laboratories CP210x VCP Drivers for Windows 200...

Ready to Install the Program
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
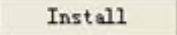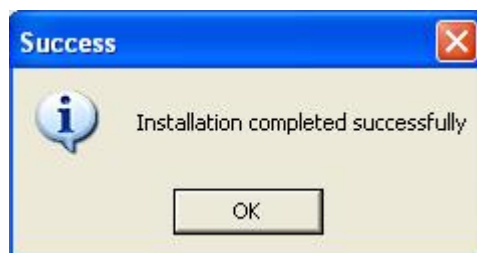
InstallShield

< Back   Install   Cancel

3.16 Complete the installation of Silicon driver

Click Finish, and the dialog as shown below pops up:
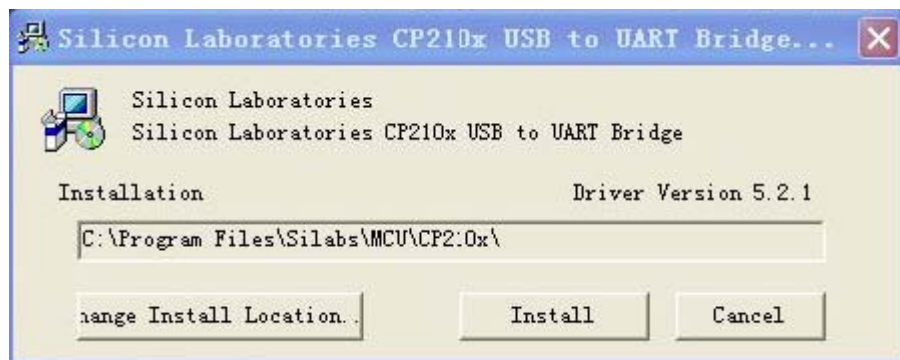
Click [Install] and then plug-in the transceiver to complete the installation.

Ⅳ Run the Software

1 Start IPBOARD Vote Edition driver

Click 〝 **Start** 〞 → 〝 **All programs** 〞 →   Julong Educational Software ▶

→ IPBOARD Vote Edition ▶ → IPBOARD Driver to run IPBOARD Vote Edition driver.

Then a tray icon will be displayed in status bar on lower-right corner of the desktop.

	If it shows 〝Communication with IPBOARD（JL-）Tablet（TB3124RDV(T/8)）failed〞, please make sure that the transceiver is successfully connected, IPBOARD（JL-）Vote Edition and USB driver have been correctly installed. And then click **IPBOARD（JL-） Driver** on the desktop.

2 Start IPBOARD Vote Edition

1) Click 〝 **Start** 〞 → 〝 **All programs** 〞 → Julong Educational Software ▶

→ IPBOARD Vote Edition ▶ → IPBOARD Vote Edition , then a login window will pop up as shown below:

2）Users can click Login to access IPBOARD Vote Edition directly.

3 Start voting manage system

1) Click 〝 **Start** 〞 → 〝 **All programs** 〞 → Julong Educational Software ▶

→ IPBOARD Vote Edition ▶ → Vote Manage , then a dialog will pop up as shown below:

Key in the administrator account to access the voting manage system. The default administrator account is

Administrator and the **password**: **julong**.

2) Click to enter the system manage window, as shown below:

3)For adding, modifying or setting the information in 'Class Management', 'Student Management', "

Teacher Management', 'Grade Management', 'Statistics Management' and 'System Management', please

see the help text of IPBOARD Vote Edition for details.

## Ⅴ Features of IPBOARD（JL-）Tablet (TB3124RDV(T/8))

Please see the help text of IPBOARD Vote Edition for more details about the introduction of each voting tool.

◆ IPBOARD（JL-）Tablet (TB3124RDV(T/8)) should be charged for about 2.5 hours before first-use. The charger indicator is red while charging, and it turns green after full charged.

◆ Sleep button: it is used for reducing power consumption, so as to extend the operation hours. IPBOARD（JL-）Tablet（TB3124RDV(T/8)） will access to sleep mode after 9 minutes suspension of operation. And users can press the button to wake up IPBOARD（JL-）Tablet. The LCD screen will turn grey in sleep mode.

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1 Functions of the icons on the teacher's tablet and student's tablet

1.1 Icons on the IPBOARD（JL-）Tablet for Teachers
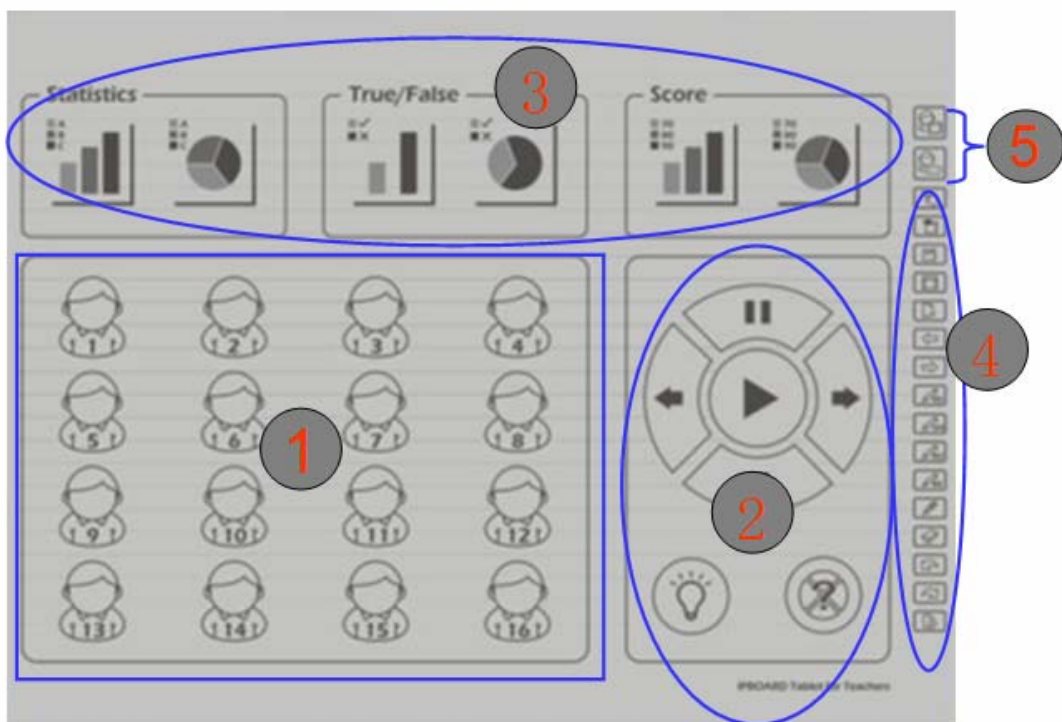
1-to-16 IPBOARD（JL-）Tablet for teachers

(The image is for references only, subject to the delivered goods.)

IPBOARD（JL-）Tablet for Teachers consists of five zones:

Zone ①: It is the students' seating area; each student icon is corresponding to a specified student, which allows teachers to guide the operation of an appointed student easily.

Zone ②: there are four buttons -- Test Controller , Show Answer , Cancel Question . Teachers can export test controller and conduct the test (such as switching to the previous or next question, starting, suspending, or stopping answering, etc.) easily by using Test Controller.

Zone ③: It is the statistics area. It includes three buttons -- 'Answer Distributing Statistics' , 'True/False' and 'Score' .

Zone ④: Writing icons are well distributed in this area, which is similar to that of JL-9000B Interactive whiteboard. Users are allowed to switch mode and write by clicking these icons directly.

Zone ⑤: It includes two buttons – 'Allow student to write' and 'Allow student to answer' , which enable teachers to assign any student to write and answer questions.

1.2 Icons on the IPBOARD（JL-）Tablet for Students
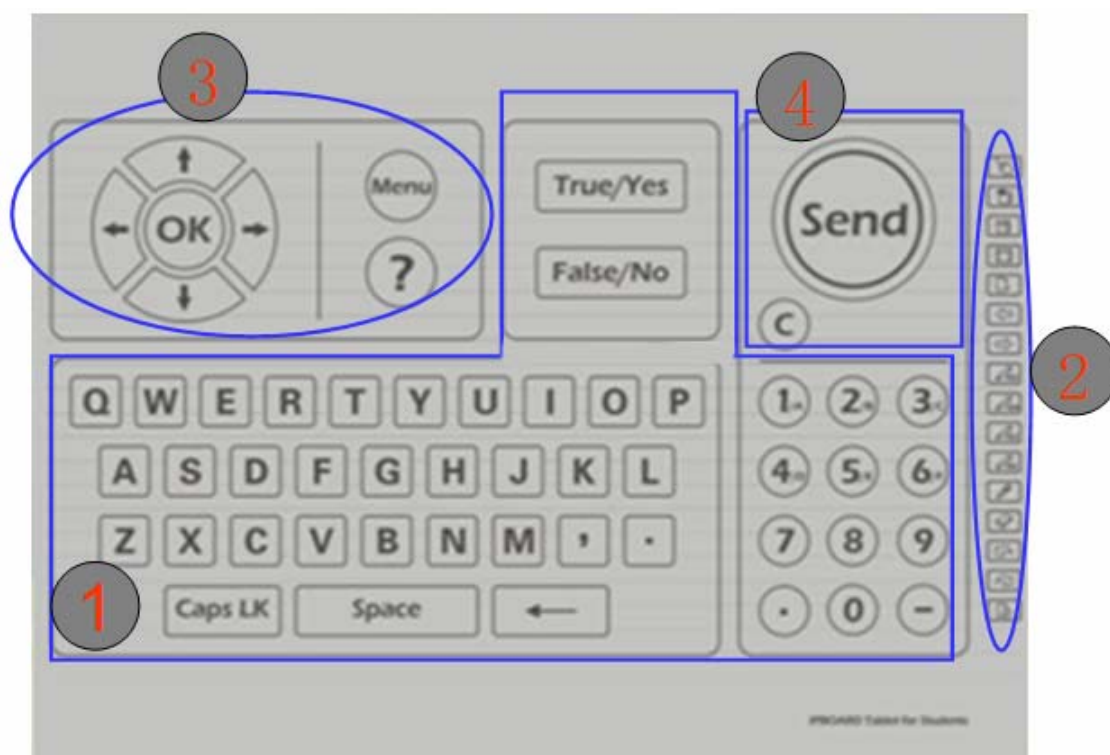
IPBOARD（JL-）Tablet for Students consists of four zones:

Zone ①: it is designed to enable students to answer questions of different types (about 8 types). Using letter keys, number keys and other auxiliary keys (blank key, interpunction keys, etc.), students can answer various questions (such as True/False, Yes/No, multiple choice, multiple answer, blank-filling, etc.) easily.

Zone ②: Writing icons are well distributed in this area, which is similar to that of JL-9000B Interactive whiteboard. Users are allowed to switch mode and write by clicking these icons directly.

Zone ③: It includes question button, confirm button, menu button and other auxiliary keys

(including up, down, left and right keys, which can be used for updating the product later on.)

Zone ④: It includes two buttons --- (Send) and (C).

2 Introduction of two assignments by teachers

The IPBOARD（JL-）Tablet for teachers has two special buttons: '**Allow student to write'** and '**Allow student to answer'**, which can be used to assign students to write on the tablet and answer questions respectively.

2.1 Assign students to write

Click [icon] on the teacher's tablet, and next click the number of the assigned student [icon] (eg. NO. 6), then click [icon] , and then the student is allowed to write. Through such operation, teachers can restrict the writing permission of NO. 6 student and assign another student to wirte (only one student available at a time).

2.2 Assign students to answer questions

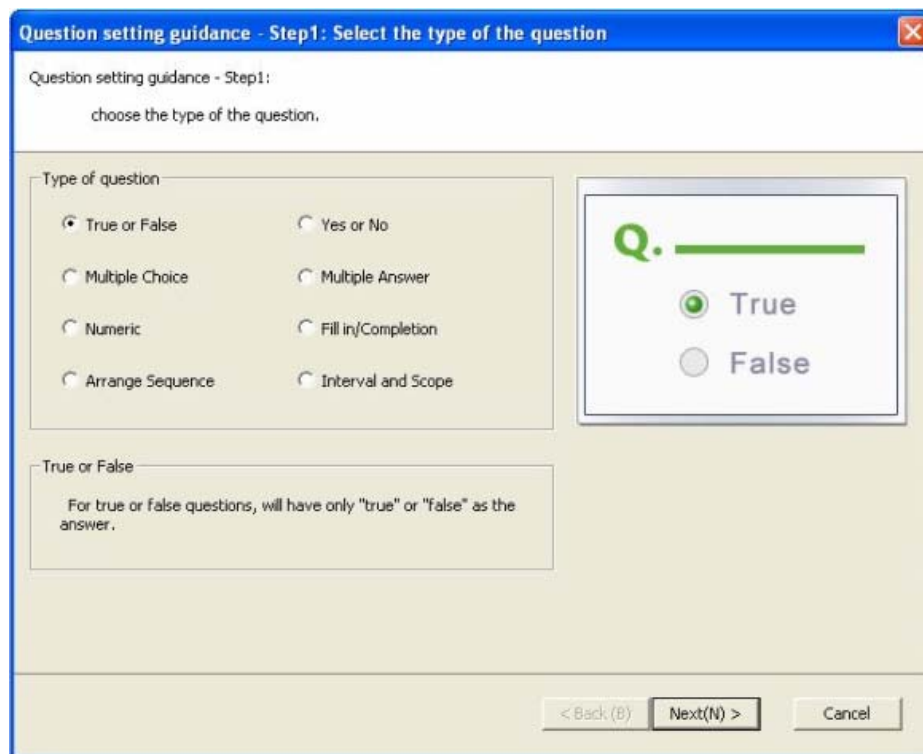If student's tablet is unwritable after clicking [icon] , the Test Controller as shown below will pop up:
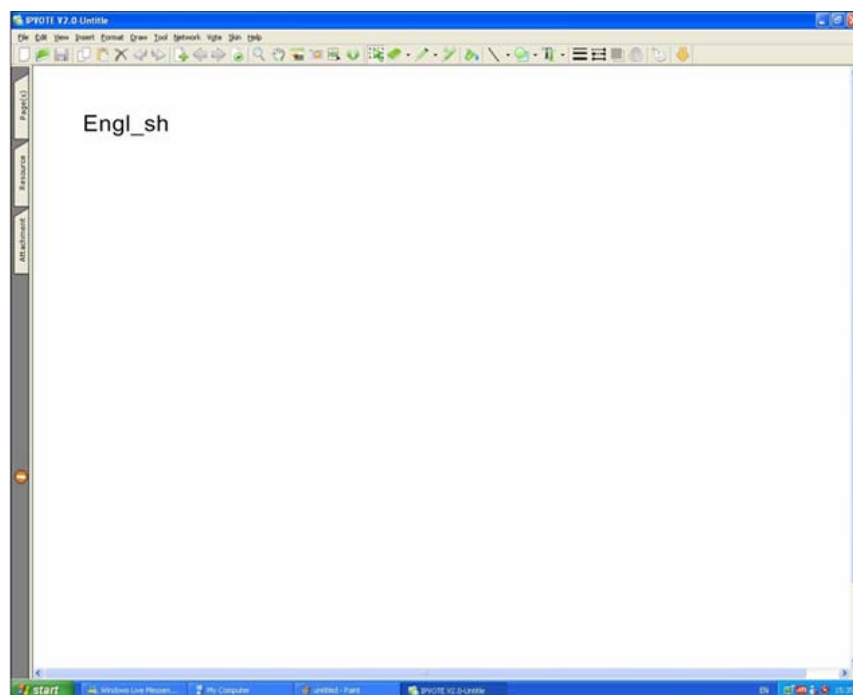

Then the teacher can click [icon] to enable students to answer questions.

3 Set Questions

Click [icon] in the menu bar to vote. 8 different types of questions have been added in the IPBOARD Vote Edition, as shown below:

4 Combined with IPBOARD（JL-）Tablet (TB3124RDV(T/8)) to answer questions interactively

Blank-filling

（Eight types of questions are available, and here take blank-filling as an example.）

4.1 Switch on IPBOARD（JL-）Tablet (TB3124RDV(T/8)) for teachers and students respectively, and

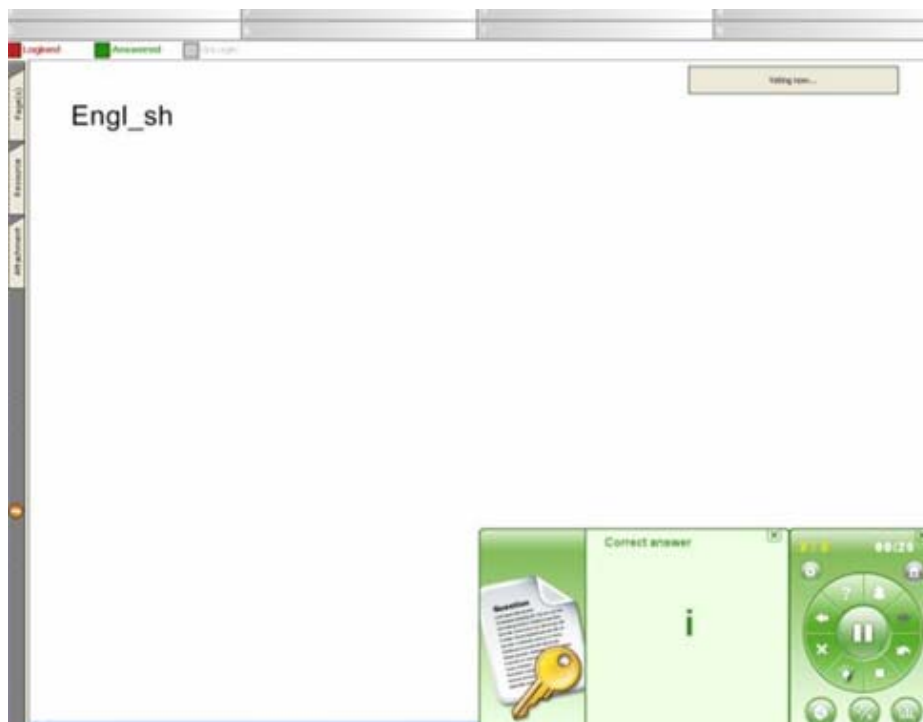then click on right side of the teacher's tablet, the dialog as shown below pops up:

4.2 Click on teacher's tablet, and then students are allowed to answer questions.
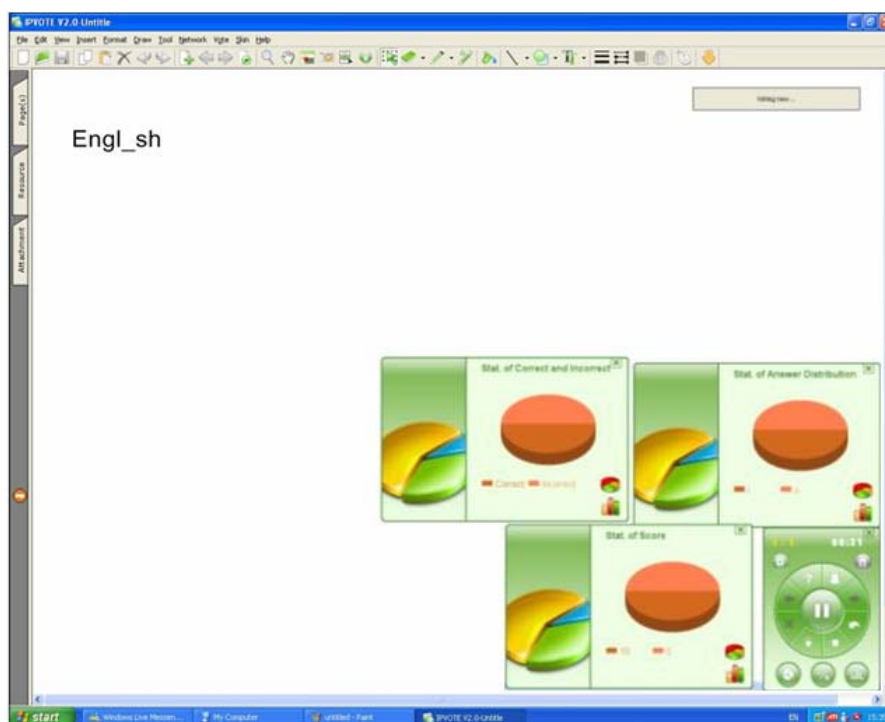

4.3 Key in answers on the student's tablet. Then click to submit the answers.

4.4 After answering questions, click on teachers' tablet to check the correct answers, as shown below:

Engl_sh

4.5 Click to check the answer trend of test; click to check the true/false

percentage of test; click to view the score statistic report, as shown below:

Ⅵ Description of Function Keys

1 The Function keys on Teacher's tablet

Function Keys on the teacher's tablet	Definition	Control Mode	Window Mode	Annotation Mode
	Allow student to write	It allows students to operate in control mode.	It allows student to write.	It allows student to write
	Allow student to answer	Test Controller	Test Controller	Test Controller
	Control Mode	No Effect	Switch to control mode	Switch to control mode
	Annotation Mode	Switch to annotation mode	Switch to annotation mode	No Effect
	Window Mode	Switch to Window Mode	No Effect	Switch to window mode
	Full Screen Mode	Switch to full screen mode	Switch to full screen mode	Switch to Full screen mode
	Create a blank page	Switch to annotation mode and create a blank page	Create a blank page	Create a blank page
	Page Up	No Effect	Page Up	Page Up
	Page Down	No Effect	Page Down	Page Down
	Red Normal Pen	Switch to annotation mode and use red normal pen	Red Normal Pen	Red Normal Pen
	Green Normal Pen	Switch to annotation mode and use green normal pen	Green Normal Pen	Green Normal Pen
	Blue Normal Pen	Switch to annotation mode and use blue normal pen	Blue Normal Pen	Blue Normal Pen
	Black-normal Pen	Switch to annotation mode and use black normal pen	Black-normal Pen	Black-normal Pen
	Transparent Pen	Switch to annotation mode and use transparent pen	Transparent Pen	Transparent Pen
	Eraser	No Effect	Eraser	Eraser
	Undo	No Effect	Undo	Undo
	Redo	No Effect	Redo	Redo
	Replay	No Effect	Replay	Replay

2 The Function Keys on Student's tablet

Function keys on the student's tablet	Definition	Control Mode	Window Mode	Annotation Mode
	Control Mode	No Effect	Switch to Control Mode	Switch to Control Mode
	Annotation Mode	Switch to Annotation Mode	Switch to Annotation Mode	No Effect
	Window Mode	Switch to Window Mode	No Effect	Switch to Window Mode
	Full Screen Mode	Switch to Full Screen Mode	Switch to Full Screen Mode	Switch to Full Screen Mode
	Create a blank page	Switch to Full Screen Mode and Create a blank page	Create a blank page	Create a blank page
	Page Up	No Effect	Page Up	Page Up
	Page Down	No Effect	Page Down	Page Down
	Red Normal Pen	Switch to annotation mode and use red normal pen	Red Normal Pen	Red Normal Pen
	Green Normal Pen	Switch to annotation mode and use green normal pen	Green Normal Pen	Green Normal Pen
	Blue Normal Pen	Switch to annotation mode and use blue normal pen	Blue Normal Pen	Blue Normal Pen
	Black Normal Pen	Switch to annotation mode and use black normal pen	Black Normal Pen	Black Normal Pen
	Transparent Pen	Switch to annotation mode and use transparent pen	Transparent Pen	Transparent Pen
	Eraser	No Effect	Eraser	Eraser
	Undo	No Effect	Undo	Undo
	Redo	No Effect	Redo	Redo
	Replay	No Effect	Replay	Replay

Ⅶ Performance Specifications

CONTENT	SPECIFICATION
ASPECT RATIO	4:3
PHYSICAL SPECIFICATION	
DIMENSION	370.0MM X 320.0MM
ACTIVE WRITING AREA	304.5MM X 230.5MM
THICKNESS	MIN.: 3.5MM MAX.: 19.0MM
NET WEIGHT	980G (INCLUDING BATTERY)
TECHNICAL SPECIFICATION	
OPERATION PRINCIPLE	ELECTROMAGNETIC INDUCTION
ORIENTATION	DEFAULTED ORIENTATION
RESOLUTION	100 L/CM (254 L/INCH)
TRACING SPEED	6M/S
READING SPEED	180PPS
READING HEIGHT	5MM (0.20 INCH)
PRECISION	±0.1MM
TILTING ANGLE OF ELECTRONIC PEN	±60 DEGREE
WORKING VOLTAGE	DC 3.6V, NI-MH RECHARGEABLE BATTERY
WORKING ELECTRICITY	<100 MA
POWER	<0.4W
WORKING ENVIRONMENT	TEMPERATURE: -10℃~50℃ RELATIVE HUMIDITY: 30%~80% NON-CONDENSING
STORAGE ENVIRONMENT	TEMPERATURE: -25℃~70℃ RELATIVE HUMIDITY: 10%~90% NON-CONDENSING
TRANSMISSION TECHNOLOGY	2.4G RF WIRELESS TRANSMISSION (CONFORMING TO IEEE802.15.4 STANDARD)
CLUSTER GROUP	ONE-TO-MULTI (1-TO-8, 1-TO-16, 1-TO-24, 1-TO-32, 1-TO-48)
TRANSMITTING SPEED	57600BPS
DATA TRANSMISSION RANGE	≤20M (WITH OBSTACLE), ≤120M (WITHOUT OBSTACLE)
LCD DISPLAY	128 X 64 DOT (WITH BACKLIGHT)
OPERATION SYSTEM	WINDOWS XP，WINDOWS VISTA
SPECIFICATIONS OF ACCESSORIES	
WRITING PEN	ACTIVE E-PEN (WITH AAA-BATTERY)
DIMENSION	135MM X 14MM
WEIGHT	40G (INCLUDING BATTERY)
CHARGER	600mA INPUT:100-250V 50/60Hz OUTPUT:3.0-9V

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.   These limits are designed to provide reasonable protection against harmful interference in a residential installation.   This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.