

IQClick Interactive Response System

User Guide



Content

Content	2
Chapter 2 System Introduction.....	3
2.1 Design Concept.....	3
2.2 System Advantages.....	3
2.3 System Technical Innovation.....	3
2.4 System Feasibility Analysis	4
Chapter 3 System Topology	4
3.1 System Components.....	5
Chapter 4 Specification	5
4.1 IQClick (A Series).....	5
Chapter 5 IQ Interactive Education Platform Software	7
5.1 Software Features	7
5.2 Software Specification.....	7

Chapter 2 System Introduction

2.1 Design Concept

- Solution designed with big screen interaction to highlight the interactive teaching in the classroom;
- Build an interactive system with intelligent terminals, with flexible architecture and easy management and expansion

2.2 System Advantages

- IQClick interactive response system is a new interactive teaching equipment system. It interacts with the classroom through the teaching remote control clickers of teachers and students, realize answer to classroom questions and feedback/statistics on answers result. Based on the daily teaching model design, help teachers and students to communicate with each other in teaching activities, effectively active classroom atmosphere. Let the teachers immediately to know each student's knowledge situation of learning, adjust the teaching process at any time; allow students to attend classes more actively and participate more actively, is the basic equipment for classroom teaching to pursue of excellence and efficiency.
- After the class activity ends, the system will automatically, completely, accurately and promptly generate all students' classroom learning results and various reports required. Students can also use this solution to make advance learning of mobile learning and review functions at any time.

2.3 System Technical Innovation

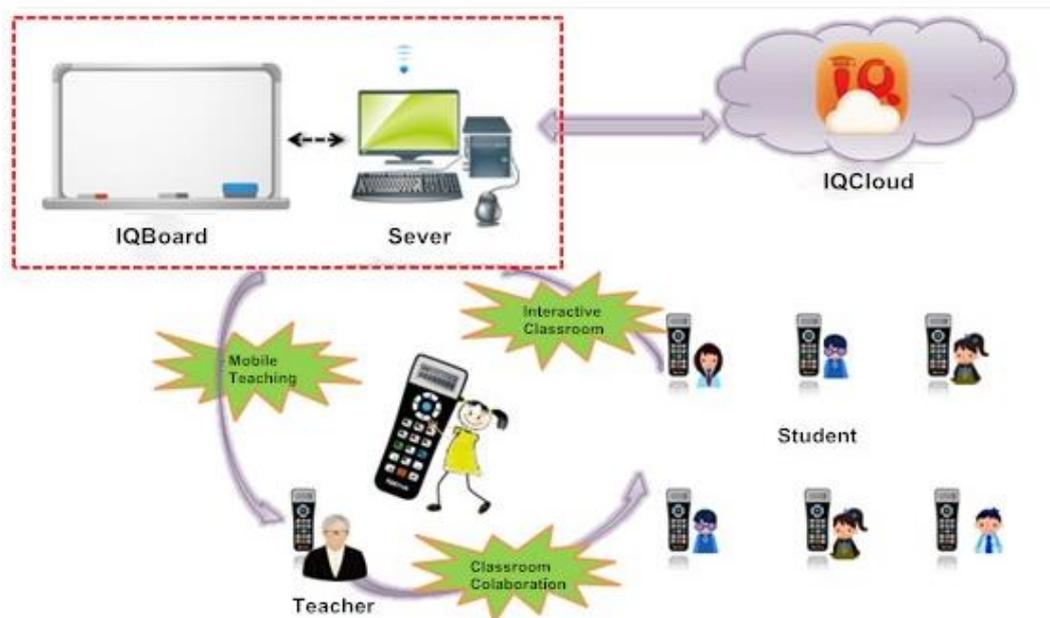
Take class as a unit for solution design. Use sophisticated wireless radio technology to build an interactive system so as to achieve mobile teaching. Read

Word files by page in whiteboard software and analyze the characteristics of track point to generate brush writing technology.

2.4 System Feasibility Analysis

The technologies and architectures used in this system are mature, stable and widely used in the market. They are proved to be reliable and can help to achieve the related system functions and performance requirements, which are both sufficient and feasible. At the same time, technological innovation Part of the patent has been granted, some have been patent examination stage, in the actual products, projects have been fully verified by the market, not only has the feasibility but also innovative.

Chapter 3 System Topology



As shown in the picture above, the IQClick interactive response system solution consists of a hardware supporting system and an application system, and can build a software and hardware environment based on an intelligent interactive answering application for school teaching.

3.1 System Components

Sequence	Brand	Equipment Name/Model	Qty	Unit
1	IQ	Teacher IQClick /A series	1	Set
2	IQ	Student IQClicks/ A series	Some	Set
3	IQ	IQCLICK Receiver	1	Set
4	IQ	IQ interactive education platform software	1	Set

***Note: IQ click B series without LCD screen is also available**

Chapter 4 Specification

4.1 IQClick (A Series)

4.1.1 Receiver

Spec.	Details	
Technology	RF 2.4G	
Indicator light	Light is on when receiving signals	
Power supply	5V by USB	
Dimension	73×26×14 (MM)	
Working temperature	0-40 °C	
Humidity	0-90%	
Distance	360 degrees , free space 100m	

4.1.2 Teacher IQClick

Spec.	Details	
Technology	RF 2.4G	
Number of	20	

physical keys		
Signal conflict	Avoid signal conflict intelligently and send automatically	
LCD content	Power capacity, number, option, answer and others.	
Power control	Power on by any buttons and turn into sleep mode after sending signals.	
Dimension	130×51×22 (MM)	
Temperature	0-40 ° C	
Humidity	0-90%	
Power supply	AAAx 2	
Valid degrees	360 degrees	
Longest distance	Free space 100m	
Dimension	100×50×22 (MM)	
Temperature	0-40 ° C	
Forecast function	Show the question answer on the LCD screen in advance.	
Tools	Tools to start or turn screen black and other.	

4.1.3 Student IQClick

Spec.	Details
Technology	RF 2.4G
Number of physical keys	20
Signal conflict	Avoid signal conflict intelligently and send automatically
LCD content	Power capacity, number, option, answer and others.
Power control	Power on by any buttons and turn into sleep mode after sending signals.
Dimension	130×51×22 (MM)
Temperature	0-40 °C

Humidity	0-90%
Power supply	AAAx 2
Valid degrees	360 degrees
Longest distance	Free space 100m
Shown results	Show test results to check whether the answer is correct

A black IQClick remote control with a silver LCD screen at the top displaying '888' and '8/8/8/8/8/8/8/8'. Below the screen is a directional pad with a blue center button and a Wi-Fi symbol. The keypad includes buttons for 'Fn', '1A', '2B', '3C', '4D', '5E', '6F', '7Y', '8', '9N', a dot, '0', '/', a minus sign, a power button, and 'Del'. The IQClick logo is at the bottom.

Chapter 5 IQ Interactive Education

Platform Software

5.1 Software Features

- Make classroom collaboration with the IQClick and create similar test scenario for students.
- Timely feedbacks from students for teachers to follow up the learning results and supply guidance.
- No limitation on the space so that teachers could use the IQClick to start the quiz or test anywhere in the classroom.
- Make statistics or analysis on the test results that could be valuable information for teachers to adjust the teaching points.
- RF 2.4G technology for wireless transmission so that IQClick isn't subjected to the space and direction in the classroom.
- Easily control the classroom activities with the IQClick for teachers.

5.2 Software Specification

<p>Interactive Response</p>	<ol style="list-style-type: none"> 1. Support class management, set and select class and subject. 2. Support to test IQClick to facilitate the future maintenance, and configure the IQClick, such as setting the ID of the IQClick. 3. Provide single or multiple choices, blank filling, true or false, ★ sorting and other objective questions. Set the allowed answer time, scores, text, pictures and so on. 4. Support more than eight kinds of classroom answer mode, including Testing Response, Preemptive Response, Elimination, Appointed Response, Random Response, Vote, Transient Quiz, and Oral Response. 5. Temporary questions dictated by the teacher or shown in the whiteboard and ask the students to immediately reply. It could be applied to the temporary problem feedback, and teachers can set the correct answer through the remote control. 6. Pick and answer: Support teachers directly pick up the students to answer for randomly appoint someone to answer. 7. Answer race for students to compete individually or in group. ★ The fastest student would have the chance to answer the question, which makes classroom more active. 8. Make statistics and analysis of the test result with charts or bars, such as analyzing the correct rate, amount of the unanswered questions and its percentage, the rankings of students and so on. 9. Set sound effects during the test. 10. ★ ★ Support to search by class, by student name or by activity. And the results can be exported by text, forms or web pages, and could be sent by e-mail.
<p>IQ Interactive</p>	<ol style="list-style-type: none"> 1. Select the preparing mode before class, teaching mode in class and desktop annotation. Add external programs or files into the home page. Toolbars will change with the subjects and users could customize toolbars as they want. 2. Open Word, Excel or PPT, turn pages, make annotation directly on the content and save them into the document. 3. ★ The software provides no less than 10 kinds of brush tools, including brush, highlighter, pattern pen, crayon, magic pen and etc. The color of brush could be set by color picker. Handwriting can be recognized to various graphics such as triangular, rectangular, Polygons and etc. The software has spotlights, curtain, magnifier, eraser and other functions. 4. Provide a variety of eraser, including the common eraser, object eraser, frame selection eraser and circle eraser and turn page to clear all. 5. ★ Support to draw a variety of 2D and 3D objects and irregular polylines,

<p>Education Platform Software</p>	<p>curves, graphics of dialog boxes, banners and brackets.</p> <p>★ Support to move and edit graphics such as line, curve and dialog box with inflection point.</p> <p>Support to add 2D or 3D objects with effects of color, gradient, grid, image fill, reflection or shadow.</p> <p>6. Multiple optional background of the page, including solid background, gradient background, 17 subject background and 23 picture background with the style of tile or stretch. ★ ★ Gradient background includes more than three kinds of color.</p> <p>7. Notes page to make annotation or hide teaching content. ★ Note page content could be saved into the document and its layout will keep the same when opening or closing the document.</p> <p>8. ★Directly drag the object from current page to another page. Provide no less than 10 kinds of special effects, such as horizontal shutters, vertical shutters, horizontal carding, and vertical carding. Support effects of setting preview, sound, repeat and automatic projection and others.</p> <p>9. Directly drag pictures, videos and other documents from local files to the software page.★ Support directly drag selected content of Word and website to the software page ★ ★ Support to edit, insert row or column, delete row or column and other operations after copying table in Excel or Word to software page.</p> <p>10. Save format: courseware can be saved as doc, ppt, xls, ★ iwb, html and so on no less than 15 kinds of file formats. Html format courseware can be opened by website and do annotation.</p> <p>11. ★★Intelligent recording: Set independent recording for objects, support real-time recording and playback and get it linked to the object automatically.</p> <p>12. Handwriting recognition: Automatically recognize Chinese, English, Arabic numerals, mathematical equations and others and transfer them into text.</p> <p>13. Objects can be moved without selection and provide the secondary tool bar for each object.</p> <p>14. ★Support more than 20 kinds of animation effects for one or more objects, such as enter, emphasize, exit and movement path effects. Animation effects include zoom, rotate, shutters and so on, whose properties of speed, repeat, sound and others could be set.</p> <p>15. Thinking tools: Support mind map and fishbone diagram which have multi-level themes and could set hyperlinks. The graphics could be saves as pictures and exported.</p> <p>16. Image editing: Support 8 kinds of image display style, such as reflection, fillet, projection and others. Support to set brightness, contrast, saturation, transparency of the picture and to cut (recovery) picture and cut background.</p> <p>17. Mask tools: Spot light, Horizontal pull, Mask, Highlight, Black screen and others. ★ Support multiple masks in a page. ★ ★ support annotate on the mask.</p> <p>18. ★★Perspective tool: No less than 10 layers of perspective, support to display and highlight layer by layer.</p>
------------------------------------	--

	<p>19. ★★Video control: Support to play, intercept multiple paragraphs, loop, make screenshots and suspended automatically when doing annotation.</p> <p>20. ★★Draw table: Directly drag the text, graphics, pictures and other objects into the table. Create new tables by selecting any number of cells. Transform the table to a pie chart or bar chart. Proportion of a pie chart could be changed and a single part can be separated to highlight and support display 2D or 3D.</p> <p>21. ★★Teaching tools: Provide Hot space, Perspective, Visualizer and others. Hot space to classify objects and match them automatically. Perspective tools to highlight each layer. Visualizer support real-time display of dynamic video and to do operations, such as zoom by fingers, rotation, annotation, screenshots and adjusting brightness, contrast and saturation.</p> <p>22. ★Micro-lecture recording: Provide full-screen recording, window recording and regional recording. Use keyboard to pause and stop. Set display camera, record sound, adjust video quality, stop recording automatically and set watermark and other functions. Video format conversion are also available.</p> <p>23. ★★Split screens for students to answer and display different contents simultaneously after teacher set the question. After that, teacher can do annotation and explanation.</p> <p>24. ★Function: Provide more than 20 common function expressions and create the corresponding function graphics. Support to input customized function expression and set color, background color of the axis and function.</p> <p>25. Roaming: Provide page zoom and unlimited roaming and restore to the original size with one-key roaming.</p> <p>26. Screenshots: Including full-screen screenshot, window screenshot, rectangular screenshot and customized screenshot. Add the screenshot to the current page or new page.</p> <p>27. Snap lines: The snap lines show automatically when moving objects to achieve rapid alignment.</p> <p>28. Search tool: Support to search the contents with Wikipedia, dictionary, Bing pictures and the answers could be dragged into the workspace directly. Support the translation between more than 30 languages.</p> <p>29. ★ Combined with IQOne, the software will automatically run without inputting the account and password by using RF card.</p> <p>30. ★★Support to show dual pages on the screen at the same time and to lock one page which is not affected by the operation of another page.</p> <p>31. ★MX2 teaching mode: Support dual-board connection, dual-board real-time interaction, dual-board identical content display or single-board teaching. For dual-board real-time interaction, two users could do different operations at the same time. For dual-board connection, it allows multiple users to operate with large space.</p>
	<p>1. Provide disciplinary tools of not less than 5 disciplines.</p> <p>2. English: Dictionary tools to provide translation among more than 10 kinds of languages and the answers could be dragged into the workspace directly.</p>

<p>Subject tools</p>	<p>3. ★Mathematics: Provide a variety of 2D and 3D graphics and highlight overlay area of a number of 2D graphics. Add high line, midline, angle bisector, inscribed circle, circumcircle and other auxiliary lines of triangles. Add the center point, parallel lines, extension lines, vertical lines, length and others for any linear graph. Add radius, diameter, inside and outside circle, string, tangent and display length of radius for arc and fan, semicircle and others.</p> <p>4. Chemical: Display a number of atomic structures. Periodic table of elements shows details of the various elements. Split or reorganize with rich experimental devices.</p> <p>5. ★Physical: Provide a variety of disciplines tools for electrical, optical, thermal, mechanical, electromagnetism and others. Users could create circuit diagram. Ammeter can be switched to milliammeter, microammeter, Motor and voltmeter.</p>
----------------------	--