Each time you turn on your CPS Pulse clicker, you will be prompted to enter your Student ID.

- Power on your CPS Pulse clicker.
- Carefully type your Student ID, using the Text Entry Mode key to switch text modes, if necessary, and the Backspace key to remove mistypes.
- Press the Enter key.
- Re-type your Student ID to confirm and press the Enter key again.

Your Student ID is stored in your CPS Pulse clicker’s memory until you turn your clicker off, and is sent with each of your answers to identify it as coming from you.

The CPS Pulse Keys

You will use your CPS Pulse clicker as you do your other handheld devices that have keypads. Key touches are described here as presses. Several keys have two types of key presses—press and press and hold.

<table>
<thead>
<tr>
<th>ICON</th>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Channel #</td>
<td>Displays Channel # or homework bin, depending on mode.</td>
</tr>
<tr>
<td></td>
<td>Enter/Send</td>
<td>Animated during transmission. OK when transmission acknowledged.</td>
</tr>
<tr>
<td>✓/✗</td>
<td>Correct/Incorrect</td>
<td>Indicates correct or incorrect answer. Teacher must activate this option.</td>
</tr>
<tr>
<td></td>
<td>RF Activity Indicators</td>
<td>Up arrow flashes for each transmit, down arrow flashes for each receive.</td>
</tr>
<tr>
<td></td>
<td>Text Entry Mode</td>
<td>Indicates which of the text entry modes - alpha, numeric, SMS - is currently in use.</td>
</tr>
<tr>
<td></td>
<td>Self-Paced Mode</td>
<td>Indicates that the keypad is operating in Self-Paced Mode.</td>
</tr>
<tr>
<td></td>
<td>Homework Mode</td>
<td>Indicates that the Pulse is being used in Homework Mode.</td>
</tr>
<tr>
<td></td>
<td>Saved Homework</td>
<td>Indicates that homework answers have been saved to memory for later transfer to CPS.</td>
</tr>
<tr>
<td></td>
<td>Battery Status</td>
<td>Indicates the current battery voltage from full to low to very low. Very low will flash.</td>
</tr>
</tbody>
</table>

The Screen

- Left Navigation
- Backspace
- Alpha/Numeric/SMS Entry
- Plus/Minus

Switch text entry mode

Press key multiple times to cycle through the text entry modes. As you change modes, they are pictured on the Screen.

Press to power on your CPS Pulse.

Press and hold for 2 seconds to power down your CPS Pulse.

Menu

Press to access the Main Menu.

Press the Navigation keys to scroll the Menu.

Press the Enter key to select a Menu item.

Menu Item | Description
--- | ---
Join | Press the Enter key. Type the Join Code for the Class.
Homework | Press the Enter key to use Homework Mode.
Channel | Displays the Channel # in the upper left corner of the Screen.
Clicker # | Displays the clicker’s assigned number.
Student ID | View the SID locked in clicker’s memory. Can only be changed using Unlock Menu item below.
Greeting | The Greeting displays when you turn on the Pulse. Press the Enter key, type your greeting, press the Enter key again to save it.
Contrast | Press the Navigation keys to adjust the contrast from low contrast (1) to high contrast (6).
Diagnostic | Displays the Pulse’s Serial number, your Pulse type, the signal strength, and firmware version.
Unlock | Enter the Unlock key obtained from the Response Student section on eInstruction’s Web site.

Menu Item

- Press the Enter key.
- Type the Join Code for the Class.
- Press the Enter key to use Homework Mode.
- Press the Navigation keys to scroll the Menu.
- Press the Enter key to select a Menu item.

Symbols Table

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>@</td>
<td>Email</td>
</tr>
<tr>
<td>^</td>
<td>Caret</td>
</tr>
<tr>
<td>~</td>
<td>Pipe</td>
</tr>
<tr>
<td>X</td>
<td>Square Root</td>
</tr>
<tr>
<td>J</td>
<td>Close Parenthesis</td>
</tr>
<tr>
<td>)</td>
<td>Open Parenthesis</td>
</tr>
<tr>
<td>/</td>
<td>Division</td>
</tr>
<tr>
<td>*</td>
<td>Multiplication</td>
</tr>
<tr>
<td>+</td>
<td>Greater than or equal</td>
</tr>
<tr>
<td>-</td>
<td>Greater than</td>
</tr>
<tr>
<td>≥</td>
<td>Less than or equal</td>
</tr>
<tr>
<td>≤</td>
<td>Greater than</td>
</tr>
<tr>
<td>&gt;</td>
<td>Less than</td>
</tr>
<tr>
<td>&lt;</td>
<td>Equal</td>
</tr>
<tr>
<td>=</td>
<td>Greater than or equal</td>
</tr>
</tbody>
</table>

Jump/Search

Press key to jump to a question in a self-paced test or homework assignment.

Press and hold key to search for the next unanswered question.
### Using CPS PULSE in the Classroom

#### On the Screen

<table>
<thead>
<tr>
<th>Power On</th>
<th>As the Pulse powers up, eInstruction and your clicker’s Serial number appear on the Pulse Screen. The Greeting displays and Pulse begins searching for a Class to join.</th>
</tr>
</thead>
</table>
| Join the Class | You are instructed to enter a Class Channel # and press Enter key, or Press Menu, navigate to the Join menu item and press Enter key, or You may be joined automatically to the Class.  
When Q: _ appears on your Pulse Screen, you are joined to the Class and ready to answer questions. |
| Changing Text Entry Modes | You can answer many different types of questions with your Pulse clicker—single answer multiple choice, true/false, numeric, multiple correct multiple choice, answer series, short answer, and so on. The Pulse clicker will change to the appropriate entry mode when the teacher begins asking questions. |
| Self-Paced Mode | If the Self-Paced Mode icon displays on your Pulse Screen, you are going to be taking a test. You can answer the questions in any order. You can return to a question and change your answer as many times as you want within the time allotted for the test. Use the Alpha/Numeric/SMS Entry key to cycle to the appropriate text entry mode you need to enter your answer (Numeric ½, Multiple Choice ½, or Short Answer ½). Verify the mode you are in on your Pulse Screen. Each time you press the Enter/Send key, your answer to the current question is transmitted. Watch the Enter/Send icon to verify transmission. Press the Jump/Search key and designate the question you want to jump to. Press and hold the Jump/Search key to jump to the next unanswered question. |
| Answering a Question | 1. Select the appropriate text entry mode.  
2. Press the key or keys in your answer. Use the Backspace key to make corrections.  
3. Press the Enter/Send key.  
The Enter/Send icon will be animated on the Pulse Screen and OK will verify a successful transmission. If your teacher has set the Correct/Incorrect Answer icon ✓/✗, where appropriate for specific question types, it will display on the Pulse Screen. |
| Powering Down | To turn off your CPS Pulse, press and hold the Power key for about two seconds until you see the Powering Down message on the Screen. |
You can store up to four homework assignments in your CPS Pulse clicker.

On the Screen

Open Menu and Navigate to Homework Mode

Power on Pulse and press the Menu key.
Navigate to the Homework menu item and press the Enter key.
The Homework icon on the Pulse Screen indicates you are now in Homework Mode.

Prepare the Homework Bin

Navigate to one of the four Homework bins and press the Enter key.
Name the homework assignment. Use the Backspace key to make corrections. Press the Enter key to save the name. Use the Navigation key to select New, press Enter. It's always a good idea to clear the contents of the homework bin when you are starting a new assignment, so navigate to Yes and press Enter. If your homework assignment has a number, enter it here and press the Enter key. If there is no test number, press the Enter key or the Right Navigation key to skip this part and move into the homework assignment where you can begin answering questions.

Answering Homework Questions

You can now start answering the questions in the homework assignment. You can answer the questions in any order, going back and changing answers as often as you want to. Each time you answer a question, press the Enter key to save it. Use the Navigation keys to move between the questions.
Press the Jump/Search key and type the number of the question you want to jump to. Press the Enter key.
You can stop at any time. Press the Menu key to exit Homework Mode. You can also Power Down your Pulse to quit Homework Mode.

Editing a Saved Homework Assignment

The next time you go into Homework Mode and navigate to the homework bin you stored your homework assignment in, you will see the Saved Homework icon displayed on the Pulse Screen, indicating that you have data in that homework bin. When you re-enter the homework bin, select the Edit option. All the answers you previously entered have been retained. You can answer new questions and you can change existing answers.
Press and hold the Jump/Search key to go directly to the next unanswered question.

Homework Collection

Homework is collected in the classroom during a Homework Collection Session. You will be instructed to join the Class and open the homework bin in which you stored the homework assignment that is being collected. Your teacher will start the Homework Collection Session and your answers will be transmitted to your gradebook record in Response.
1.1 Declaration of Conformity
This device complies with the following European Directives and USA/Canada Regulations:
- Directive 1999/5/EC on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity
- Directive 2006/95/EC on the harmonization of laws of member states related to electrical equipment designed for use within certain voltage limits
- The USA Federal Communications Commission (FCC) Rules and Regulations
- Industry Canada Rules and Regulations
This device complies with the following national and international standards:
- EN 301 489-17 V1.2.1:2002: EMR: EMC standard for radio equipment and services. Part 17: Specific conditions for 2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment.
- EN 300 328 V1.7.1: Electromagnetic compatibility and Radio spectrum Matters (ERM): Wideband transmission systems. Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques.
- IC RSS-210 Issue 7: 2007: Low power license-except radio-communications devices (all frequency bands): Category 1 equipment.

1.2 FCC/IC Compliance
This device complies with Part 15 of the FCC Rules and RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device. The user is cautioned that changes or modifications to the device that are not approved by the manufacturer could void user’s authority to operate the device.

1.3 EU Compliance
This device is a 2.4 GHz low power response system intended for residential and commercial use in all EU and EFTA member states.

Notice
The base and keypad units may be susceptible to Electrostatic Discharge (ESD) and other similar fast transient events causing system interruption. Should system interruption occur, reboot computer, reset base unit by disconnecting and reconnecting USB cable and push any key on keypads which have powered down.

8. Scottsdale, Arizona, U.S.A.
7.8.2009
Tom Grinter
Div of Engineering

Patents
CPS Pulse will use proprietary technology covered by the following US patent No.: 7,277,671, 6,665,000, 6,021,119, 5,724,357, Re. 35,449, 5,379,213, 7,599,703, European Patent No.: EP 1 427 228 b1, EP 1 337 127 b1, EP 0 697 773 b1, EP 1 478 099 b1 and other US and foreign patents and patents pending.

Environmental Regulations
The European Union has forced stringent requirements on manufacturers to limit the contents of lead and other chemicals in electronic assemblies. Other international and US states are considering similar rules. This system will comply with RoHS and WEEE and will require further analysis regarding other regulations.

For international sales, the dealer responsible for placing it on the market in Europe is responsible for contracting for battery and other component disposal at the product end of life up front at the time of sale.

Training
Are you interested in learning more about what CPS can do for your classroom? We offer free online training resources for you. Enter the following link into your browser to find training videos and Quick Step guides that you can download:
http://www.einstruction.com/support_downloads/training/resources/index.html
Or, contact Professional Services directly: pcs@einstruction.com.