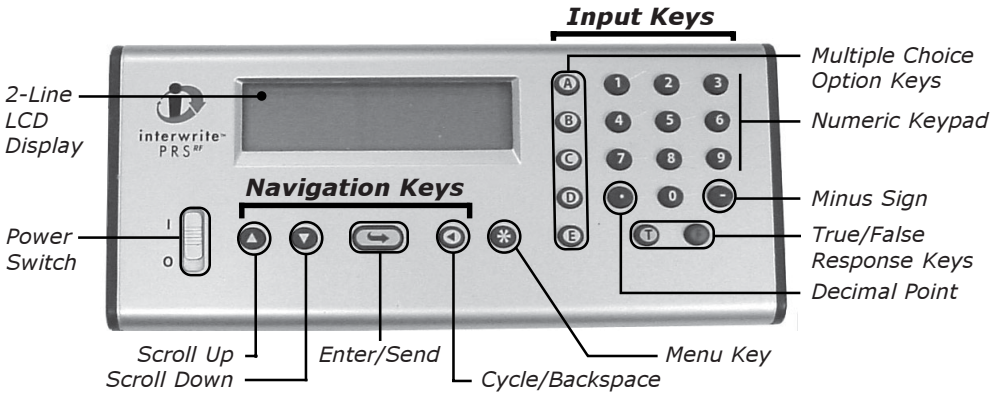
InterWrite PRS RF Clicker User's Guide

interwrite™ PRS RF



Clicker Key Quick Reference

INPUT KEYS		FUNCTION
1 2 3 4 5 6 7 8 9 0	Numeric Keypad	Enter numeric Responses and Response Choices for numbered Multiple Choice Questions Enter numeric values, *i.e.*, Student ID and Question numbers
•	Decimal Point	Enter a decimal point in a numeric Response Press twice to enter a forward slash (/) for fractions
-	Minus Sign	Enter to indicate a negative number
A B C D E	Multiple Choice/ Alpha Character Keys	Enter your Response Choice(s) to a Multiple Choice Question Switch to *Alpha Mode*
T F	True/False Response Keys	Enter Response to True/False Questions Switch to *Alpha Mode*
1 9	Confidence Level Indicators	1 = Low Confidence and 9 = High Confidence Enter a Confidence Level *after* a single-choice Multiple Choice Response, or after a True/False Response

NAVIGATION KEYS		FUNCTION
▲ ▼	Scroll Up Scroll Down	Scroll Up and Scroll Down in Setup Menu (watch for the ⬍ symbol on the LCD) Scroll through the alphabet when in *Alpha Mode*
↵	Enter/Send	Save input values, *e.g.*, Student ID Send Responses
◄	Cycle/Backspace	Cycle through setting options when ◄ is displayed in the lower right corner of the LCD display, or go up a menu level when ◄ is in the upper left corner Backspace to clear a character in an input field
✻	Menu Key	Display Setup Menu Stop Autoscan

LCD DISPLAY SYMBOLS	
⬍	This symbol indicates you can press the ▲ or ▼ key to scroll up or down through the Setup Menu options.
◄	When this symbol appears in the upper left corner of the LCD screen, press the ◄ key to go up a level in the Setup Menu. When the symbol appears on the second line of the LCD display in the right corner, it means you can click on the ◄ key to cycle through the possible settings for the Setup Menu option.
➡	When you see this symbol on the LCD display, press the ↵ key to display an input field, or a submenu.

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First Time Users: You must enter your Student ID before you can use your PRS Clicker to transmit Responses.

1 Press ✱ to stop Autoscan.
2 Press ✱ to display the **Setup Menu**.
3 Scroll ▼ or ▲ to display the **ID:** menu option and press ↵ to select this option.
4 Input your Student ID. Press ◄ to backspace. If your Student ID contains alpha characters, refer to the instructions on the right for entering alpha characters.
5 Press ↵ to save your Student ID.

Entering Alpha Characters:

1 Press one of the letter keys (Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓣ Ⓟ) to switch to *Alpha Mode* and display the selected alpha character on the LCD screen.
2 Use the ▲ ▼ keys to scroll to the letter you want to input.

For each letter you want to input, you must press a letter key to go into Alpha Mode.

PRS OVERVIEW

Your PRS RF Clicker is part of the InterWrite PRS student response system. You use this RF Clicker in your classes to respond electronically to questions. In the typical classroom scenario, you login to**,** or *join*, a *Class* and *send Responses*.

During the *join* process, your *Student ID*, your unique identifier, is transmitted to the PRS software via the RF Receiver. Each time you send a Response to a Question, your Student ID is attached to your Response, ensuring each answer you send is attributed to you. Your Responses are recorded electronically, and can be scored and stored in an electronic Gradebook.

Joining a Class

Most of the time you will be using your PRS Clicker to respond to Questions in the classroom. When you turn on your Clicker, it automatically begins scanning for PRS Classes. Each Receiver is broadcasting for its specific Class. When the *Autoscan* is completed, press ▲ or ▼ to scroll the list of Classes. When you have found your Class, press ↵ to *join* it.

Quick Jump

The *Quick Jump* feature allows you to bypass the Autoscan process, which in a large PRS facility can take a long time. The instructor will display the *Quick Jump Number* on the board, along with the name of the Class you are to join.

Press the Quick Jump Number, press ▲ or ▼ to scroll to your Class, and press ↵ to join it.

BASIC OPERATION

1 Slide the **Power Switch** up to turn the RF Clicker on.

After the initial screen displays, where you will be reminded when it's time to replace your batteries, your Clicker will begin *Autoscanning* for a *Class* to *join*.

2a Press the **Quick Jump** number, displayed in angle brackets (< >) on the Status Bar of the projected PRS screen, to quickly find your Class. Scroll ▲ or ▼, if necessary, to your Class and press ↵ to join,
OR

2b When Autoscanning has completed, scroll ▲ or ▼, if necessary, to your Class and press ↵ to join.

You are now ready to participate in a PRS Session.

3 Use the ◄ key to clear the **ANS:** field and prepare for the next Question.

QUESTION TYPES

The Questions you will be asked during a typical PRS Session will be projected at the front of the classroom. Your instructor can choose from among five types of Questions— *Multiple Choice, True/False, Numeric, Series,* and *Short Answer*.

- *Multiple Choice Questions* displays a list of numbered or lettered Response options. You will choose one or more of these options, as instructed.
- *True/False Questions* use only the T and F keys for your Responses.
- *Numeric Questions* expect numeric Responses of up to 11 numeric characters that can include the Decimal Point and the Minus Sign.
- *Series Questions* require you to put the Response Choices in some sort of order.
- *Short Answer Questions* allow a Response of up to 11 alphanumeric characters. If the Short Answer is a fraction or a date, press the Decimal Point twice to display the slash (/).

Responding to Questions:

The process for responding to a Question is the same, regardless of the Question Type:

- Press the key(s) that represent your Response, press ↵ to send it, watch for the *Received* message, then press the ◄ key to clear the field and prepare for the next Question.

SELF PACED MODE

Your instructor has the option of presenting a PRS Lesson in one of two ways during a PRS Session. The most commonly used method involves projecting each Question in the Lesson for a specific length of time, during which each student transmits a Response and receives a receipt confirmation message. After a Question has been answered, a chart showing the distribution of Responses and, if the instructor chooses, the correct Response. The next timed Question is then displayed.

Self Paced Mode represents a different way of presenting a PRS Lesson. The Session itself is timed and students can respond to the Questions at their own pace and in any order they want within the time frame of the Self Paced Session. The instructor has the option of distributing hard copies of all the Questions in the Lesson, or projecting all them at the front of the room.

When you join a Class running a Self Paced Session, the first thing you will be prompted to do is enter a *Test Number*. Then you can begin answering the Questions. You can scroll through the Response fields and answer the Questions in any order you choose. The second line on your LCD screen will display messages regarding the status of the current Response field.

Responding to Questions

1. When the **TST:** field appears, enter the *Test Number*, if indicated. Press ↵.
2. Use the scroll ▲ ▼ keys to navigate from one Response field to another.
3. Enter your Response and press ↵ to send it.

SETUP MENU

Setup Menu options include:

- *New Class Scan*
- *ID*
- *Sleep Mode*
- *AutoOff Mode*
- *Diagnostics*
- *Language*
- *Homework Mode*

Press the ✱ key to display the **Setup Menu**. Note the navigation cues ▲▼ ◄ ↵ on the Setup Menu. You can find a description of each symbol in the *Clicker Key Quick Reference* on the first panel.

New Class Scan

Select this Setup Menu option when you want to scan for a new Class and join it.

1. Press ↵ to begin *Autoscan* for a new Class.
2. Press the Quick Jump number, or wait until Autoscan has finished. Scroll ▲ ▼ to the Class you want to join and press ↵.

You are now ready to participate in a PRS Session.

Enter Student ID

1. Press the ✱ key to display the **Setup Menu**.
2. Scroll ▲ ▼ to **ID:** and press ↵.
3. Enter your Student ID. Use the *Numeric Keypad* to enter numbers and the *Letter Keys* to enter alpha charactersas described on panel 2.
4. Press ↵ to save your Student ID and return to the main Setup Menu.

Sleep Mode

Both Sleep Mode and AutoOff Mode are designed to extend battery life. *Sleep Mode* describes the amount of time, measured in minutes, your Clicker must be *inactive* (no keys pressed) before it goes to sleep to conserve battery power. Press any key to *wake up* your Clicker and return it to full power.

1. Press the ◄ key to cycle through the Sleep Mode options.
2. When your choice for the Sleep Mode setting is displayed, press the ▲ or ▼ key to view the next Setup Menu option.

AutoOff Mode

AutoOff describes the length of time, measured in minutes, your Clicker will remain powered on. When the time you have selected elapses, your Clicker will automatically power down to conserve battery life.

1. Press the ◄ key to cycle through the AutoOff Mode options.
2. Press the ▲ or ▼ key to view the next Setup Menu option.

To cycle your Clicker to full power, press ✱, or toggle the Power Switch off and on.

HINT: Set the AutoOff time to a value greater than your longest class, so your Clicker won't power down before the class is over.

Diagnostics

It's likely that the only diagnostic value that will be of interest to you is the percent of **Battery Life** remaining. Other diagnostic values displayed include Radio ID, Firmware version, Data Channel, Class Channel, Join ID, Clicker Type, and Class Number.

1 Press the ▲ ▼ keys to scroll through the Diagnostic options.

2 Press the ◀ or ✱ key to return to the main Setup Menu.

Language

This Setup Menu option refers to the language used for the LCD display. At the present time, the LCD display is English only.

Homework Mode

Homework Mode is a type of *Answer Mode*. Normally, you will be in the classroom sending Responses one at a time. Homework Mode allows you to use your Clicker off site to respond to Questions and save your Responses in the Clicker's memory. When you are back in the classroom, you will *send* your saved Responses when asked to do so. The PRS software provides the functionality necessary to score and store your Responses in an electronic Gradebook.

Homework Mode features four different options:

- *New*
- *Continue*
- *End*
- *Send*

Homework Mode – New

You will receive a handout for the homework assignment, which will include a *Homework Number*.

1 Press ✱ to display the Setup Menu, scroll ▲ ▼ to *Homework*, press ↵, scroll to *New*, and press ↵.

2 Enter the Homework Number, if indicated, in the **HMW:** field. Press ↵.

3 Press ▼ to display the **H01:** field where you will enter your Response to Homework Question 1. Press ↵ to save your Response.

4 Press ▼ to view the next Response field. You do not have to answer the Questions in order. Scroll ▲ ▼ through the Questions. Press ↵ to save each Response.

5 When you have finished answering the homework questions, or you want to take a break, turn off your Clicker.

Homework Mode – Continue

1 When you are ready to continue the Homework Session, scroll ▲ ▼ the Setup Menu to *Homework*, press ↵, and scroll ▲ ▼ to the *Continue* option. Press ↵ to *continue* the homework assignment.

As you scroll ▲ ▼ through the Questions, you will see the Responses you entered during the previous Homework Session. You can change any of these Responses.

2 Change existing Responses and enter new Responses. Press ↵ each time to save each Response.

3 When you are finished, turn off your Clicker.

Homework Mode – End

End stops a Homework Session and ends Homework Mode.

1 *P*ress ✱ to return to the Homework Menu.

2 Scroll ▲ ▼ to the *End* option. Press ↵.

Homework Mode – Send

When your Instructor asks you to turn in your homework assignment, you will *Send* it.

1 If you haven't done it already, join the Class. Press ✱ to display the Setup Menu.

2 Press ↵ to display the Homework Menu options.

3 Press ↵ to send your Responses.

You will receive a confirmation message indicating the number of Responses received out of the number sent (*Received XX/XX*). You are returned to Answer Mode.

If you are re-sending a homework assignment, only new Responses and the Responses you changed will be sent. Responses that had been sent previously and have not been changed in the meantime will not be re-sent.

REPLACING THE BATTERIES

When you see the *Low Battery* message when you turn on your Clicker, you have about 15% Battery Life remaining. Replace the batteries as soon as possible.

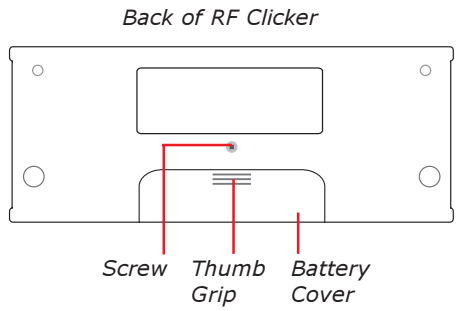
1 On the back of the RF Clicker, remove the **Screw** holding the **Battery Cover** in place.

2 Remove the Battery Cover by pushing down on the **Thumb Grip** and sliding it toward the bottom of the Clicker.

3 Remove the old batteries and discard them following the proper disposal procedures.

4 Insert three AAA batteries, positioning them properly to ensure the correct polarity.

5 Slide the Battery Cover back into place and replace the Screw.



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SPECIFICATIONS

Dimensions:	6.0 x 2.56 x 0.7 inch (152 x 65 x 18 mm)
Weight: With batteries	4.0 ounces (138 grams)
Power:	Three AAA (1.5V) Batteries
Signal:	2.46 GHz ISM Band
Effective Distance:	>50 meters

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: This equipment has been tested and found to comply with the limits of 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 the 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 the 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.

This device complies with Part 15 of FCC rules and with RSS-210 of Industry Canada. 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.

The radiated output power is far below the FCC Radio Frequency exposure limits. Nevertheless, this device should be used in such a manner that the potential for human contact during normal operation is minimized.

Declaration of Conformity

The "CE" mark on this device indicates compliance under the EMC 89//336/EEC Directive.

Declaration of conformity according to ISO/IEC Guide 22 and EN 45014

Manufacturer's Name: GTCO CalComp,Inc.

Manufacturer's Address: 7125 Riverwood Drive Columbia,MD 21046 U.S.A.

declares, that the product

Product Name: InterWrite PRS RF Clicker Remote

Model Numbers: R1

Product Options: All

conforms to the following product specifications:

EMC: EMC Directive 89/336/EEC and amendment 92/31/EEC

Emissions Testing: EN 55022:1998 Class B

Immunity Testing: EN 55024:1998 including:
EN 61000-4-2;ESD
EN 61000-4-3;Radiated Immunity

Supplementary Information

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC.

Scottsdale, Arizona, U.S.A. (Location) 1-1-2006 (Date) Dana Doubrava Engineering Mgr

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European Union WEEE Directive

The manufacture of this equipment required the extraction and use of natural resources. It may contain hazardous substances that could impact health and the environment.

- In order to avoid the dissemination of the hazardous substances into the environment and to diminish the pressure on our natural resources, we encourage you to return this product to the appropriate take-back system facility. These facilities reuse or recycle most of the materials in this equipment in a responsible way.
- The crossed-out wheeled bin symbol to the right invites you to use these take-back systems.
- If you need more information about the collection, reuse and recycling systems in your area, please contact your local or regional waste authority.
- Further information about the responsible end-of-life management of this and other GTCO CalComp products is available on our Web site at **www.gtcocalcomp.com**.

European Union Emission Directive

This product is in conformity with the protection requirements of EU Council Directive 89/366/ECC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to CISPR 22/European Standard EN55022. The limits for Class B equipment were derived for typical industrial environments to provide reasonable protection against interference with licensed communication devices.

Canada

Industry Canada Class B emission compliance statement. This Class B digital apparatus complies with Canadian ICES-003.

Avis de conformité á la réglementation d'Industrie Canada. Cet appareil numérique de classe B est conforme á la norme NMB-003 du Canada.

Limited Warranty for InterWrite PRS RF Clicker

GTCO CalComp Corporation warrants this product to be free from defects in material and workmanship under the following terms. Complete and return the enclosed warranty registration card to ensure that your products are covered by this warranty.

Coverage

Parts and labor are warranted for one (1) year from the date of the first consumer purchase for the InterWrite PRS RF Clicker.

Technical Support

Web-based Technical Support is available free of charge at: www.gtcocalcomp.com, where current driver releases, as well as comprehensive technical support, troubleshooting, Technical Bulletins and FAQs can be found.

Telephone Technical Support is available by contacting our Service & Support Department at (410) 312-9221 (EST), or (480) 443-2214 (MST). You can also fax your request to (410) 290-9065 (EST), or (480) 948-5508 (MST). Our toll-free numbers in the U.S. are: 800-344-4723 for our East Coast customers and 800-856-0732 for our West Coast customers.

To view the terms and conditions of the Limited Warranty for InterWrite PRS RF Clickers in their entirety, please visit our Web site at:

www.gtcocalcomp.com

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