

InterWrite PRS RF Receiver and PRS Software V4.0 Beta Instructions

The PRS RF Clickers and RF Receiver add a new dimension to the PRS system—two-way communications. The benefit of the radio frequency technology behind the Clickers and Receivers is:

- The *line-of-sight* transmission required by the PRS IR Transmitters and Receivers is not necessary,
- One RF Receiver can process transmissions from up to 2000 RF Clickers,
- Two-way transmission makes it possible for PRS to confirm a Response transmission, obviating the need for displaying the Response Grid, which is essential in the IR-equipped environment to confirm receipt of data transmissions.

The addition of two-way radio frequency transmission to PRS has necessitated some changes to the PRS software, as well as making a number of new features possible. The **Class** is the focal point of the new RF-based PRS. You will *start* a Class. Student remote Clickers will *scan* for a Class and *join* it.

Installation on Windows and the Mac

Please install the InterWrite PRS software first so the appropriate hardware drivers are in place when you connect the USB PRS RF Receiver.

Software Installation

InterWrite PRS is compatible with Windows 2000 and XP and Mac OS X 10. The InterWrite software must be installed on Windows by a user with *Administrator* privileges and on the Mac by a user with *Admin* privileges.

Windows Installation

- 1 Log in as *Administrator*. Insert the InterWrite PRS software CD into the CD-ROM drive on your computer. The installer will autoload. If it doesn't, click on the **Start** button on the Windows Task Bar and select *Run* from the menu. Type *X:\setup.exe* (*X* represents the CD drive letter).
- 2 When the InstallShield Wizard appears, follow the onscreen instructions for the software installation.

Mac Installation

- 1 Log in as *Admin*. Insert the InterWrite PRS software CD into the CD-ROM drive on your Mac. A PRS CD icon will appear on your desktop.
- 2 Double-click on the PRS icon on the desktop to display the CD's contents. Double-click on the **Install InterWrite PRS** icon.
- 3 Follow the onscreen instructions for the software installation.

Hardware Installation

Your PRS RF Receiver ships with an AC/DC Adaptor Class 2 Power Supply and a 15 foot USB cable.

- 1 Plug the Power Supply into a wall or power strip outlet.
- 2 Plug the other end of the Power Supply into the PRS RF Receiver.
- 3 Plug the square USB B connector into the PRS RF Receiver.
- 4 Plug the flat USB A connector into an available USB port your computer.

Your RF Receiver does not rely on line-of-sight transmission, so it does not have to be positioned at the front of the room. Just be aware that it works best when it is *not* sitting on a metal surface (such as your computer box).

Start PRS

When you installed the RF Receiver, Windows *found* it and assigned it to a COM Port. When the PRS software is started up, it scans the COM ports and makes note of where the RF Receiver has been assigned. *Port Checks* are not necessary.

Next it scans for Classes. It will compile a list of RF Classes and give you the option of starting one of those RF Classes.

SPECIFICATIONS

Dimensions:	4.25 x 3.25 x .875 inches (108 x 83 x 23 mm)
Weight:	3 ounces (grams)
Power:	200 mAmps
Signal:	2.46 GHz ISM Band
Effective Distance:	>30 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.

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 Receiver

Model Numbers: RX-01

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
EN 61000-3-2 Harmonics
EN 61000-3-3 Flicker

Immunity Testing: EN 55024:1998 including:
EN 61000-4-2;ESD
EN 61000-4-3;Radiated Immunity
EN 61000-4-4;EFT/B
EN 61000-4-5;Surges
EN 61000-4-6;Conducted Immunity
EN 61000-4-11;Voltage Dips

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. 1-1-2006 Dana Doubrava
Location Date Engineering Mgr

European Contact:

GTCO CalComp Ges.m.b.H.
Kreiller Strasse 24
81673 Muenchen
Germany
Tel: +49 (0) 89 370012-0
Fax: +49 (0) 89 370012-12



Canada

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

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

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.

Limited Warranty for InterWrite PRS RF Receiver

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 Receiver.

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.

European Union WEEE Directive

As the producer of the InterWrite PRS RF Clickers, GTCO CalComp supports the objectives of the European Union WEEE Directive and is committed to ensuring ongoing compliance with the Directive. In an effort to help us meet our objectives and obligations for responsible use and management of our products, we ask that you return this product at the end of its useful life to the appropriate local collection facility. 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.

Telephone Technical Support is available free of charge to the original consumer for a period of 90 days from the date of purchase of the product. Please contact 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 Receivers in their entirety, please visit our Web site at:

www.gtcocalcomp.com

GTCO CalComp PERIPHERALS

GTCO CalComp, Inc.
14555 N. 82nd Street
Scottsdale, AZ 85260
USA

TEL: 800.856.0732
480.948.6540
FAX: 480.948.5508

GTCO CalComp, Inc.
7125 Riverwood Drive
Columbia, MD 21046
USA

TEL: 800.344.4723
410.381.6688
FAX: 410.290.9065

GTCO CalComp Ges.m.b.H.
European Headquarters
Kreiller Strasse 24
81673 Muenchen
Germany

TEL: +49 (0) 89 370012-0
FAX: +49 (0) 89 370012-12

www.gtcocalcomp.com



interwrite™
PRS^{RF}

Copyright© 2005 GTCO CalComp Inc.

InterWrite is a trademark of GTCO CalComp Inc.

All other products and company names are the trademarks or registered trademarks of their respective owners.

The information contained in this document is subject to change without notice. GTCO CalComp assumes no responsibility for technical, or editorial errors, or omissions that may appear in this document, or for the use of this material. Nor does GTCO CalComp make any commitment to update the information contained in this document. This document contains proprietary information which is protected by copyright. All rights reserved. No part of this document can be photocopied or reproduced in any form without the prior, written consent of GTCO CalComp Inc.