MANUAL

For RFID Systems Joey and Ultra Timing Units

PCI SATCOM

PhotoCrazy.com®
relive the moment!

P.O. Box 6711, Thousand Oaks, CA 91360
(805) 492-0562

The PCI Satcom will transmit chip times by satellite from anywhere in the world to your PC within 10 seconds. Satellite communication requires the transceiver (PCI Satcom) and pre-paid airtime (CREDITS). Your PCI Satcom came with 150 CREDITS.

MOUNTING
1. Mount the PC Satcom about 6 feet off the ground with no obstructions above the unit in a 30 (ideally 45) degree cone.
2. Position Joey or Ultra to accept RFID Tags.

START UP
1. Attach the Ethernet cable between PCI Satcom and Joey or Ultra
2. Attach the power cord to the PCI Satcom and Joey or Ultra. (Use external power if necessary)
3. Turn the Joey or Ultra power switch to ON
4. The LED below the push button switches on the PCI Satcom will start blinking in about 1 minute and Joey or Ultra will beep to indicate boot up. PCI Satcom will automatically turn on Joey or Ultra.
5. Wait until the blink pattern is 1-1 (1 Red, 1 Green)
6. PCI Satcom and Joey or Ultra are now ready to receive and transmit RFID data via satellite.

SHUT DOWN
1. Push and hold the HALT button (closest to Ethernet port) for 5 seconds.
2. Wait until LED stops blinking - PCI Satcom and Joey will shut down. PCI Satcom will empty its buffer, transmit data to satellites and shut processor down.
3. Remove power and pack up unit for transport.

FIRMWARE UPGRADE

1. Attach Ethernet cable to PCI Satcom and an Ethernet port that is connected to the Internet
2. Power up PCI Satcom (attach power cable to 12VDC) and wait until LED blink patter is 1-1.
3. The PCI Satcom will connect and automatically retrieve the latest firmware upgrade.
4. LED Blink Pattern during upgrade
   2 1 look for upgrade 1
   2 2 look for upgrade 2
   2 3 look for upgrade 3
   2 4 look for upgrade final (shutdown in 1 minute)
5. Remove power and Ethernet after LED is off

PC LINK TO SERVER

Your PC must retrieve RFID timing data from our server. Generally the data will be available on our server within 10 seconds after it was processed by Joey or Ultra.

We will need from you via email (see example **HERE**, later via web portal) the following information for each PCI Satcom prior to running an event or test. Indicate if you want Timing data of multiple Serial Numbers in one data file or separate data files.

NOTE: We require all times in UTC format with the appropriate offset otherwise data will become hopelessly confusing.

1. The PCI Satcom Serial Number
2. UTC Event Start and End Date/Time; hh, sec Offset from UTC
3. We will reply with a .zip file to your email – allow 1 day
4. *Copy and run the .zip file on your Windows PC
5. Timing data is now available on your PC

   *See zip file installation instructions **HERE**.

EXTREME WEATHER

In extreme wet weather conditions put a plastic bag over the entire unit. Avoid water or snow accumulation on the top. The only area of possible water leakage is around the push button switches or power receptacles.

EMERGENCY COMMUNICATION (Preliminary)

1. Power up PCI Satcom (attach 12V DC source)
2. Wait for LED Red+Green blinking
3. Initiate Scan on smart phone with Chat App*
   (*Bluetooth Chat by Glodanif Communication)
4. Look for PCISatcom Bluetooth connection
5. Pair to PCISatcom
6. Open Chat App
7. Initiate Chat.
8. Precede each Chat message with @NNNNN followed by a space
   (NNNNN is the 5 digit Serial Number of the unit you want to chat with)

SPECIAL Commands for Chatting

@history will recall any unread messages
REBOOT - Press and hold for 5 seconds RED button

LED BLINK PATTERNS

Red-Green
1 1 running no data in input buffer or satellite send queue
1 2 running no data in buffer but data in satellite send queue
1 3 running data in input buffer
1 5 starting look for upgrade
2 1 look for upgrade 1
2 2 look for upgrade 2
2 3 look for upgrade 3
2 4 look for upgrade final (shutdown in 1 minute)
3 1 startup initial
3 2 startup looking for internet
3 3 looking for joey
3 4 found joey
3 5 did not find joey

WARRANTY

PCI Satcom has a 1 year warranty from purchase date against workmanship and functional defects. Please contact PhotoCrazy if there are any problem and the unit will be replaced or repaired. If you wish to return your unit for any reason, we offer a buy back option of $200 during the warranty period. Contact us for buy back options outside the warranty period.
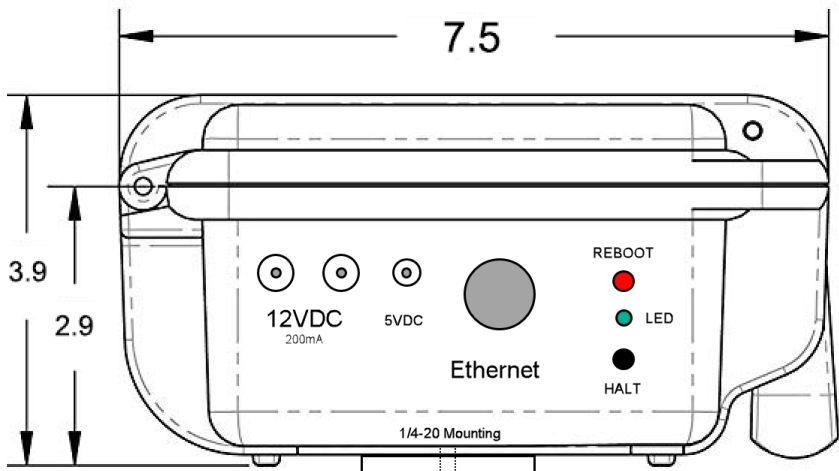
NOTE: Breaking the warranty seal or tampering with the case, locks or security screws will void the warranty and buy back. Please do not drill holes or put screws into the case unless you get written permission from PhotoCrazy.

CUSTOMER SUPPORT

Please contact customer support 24/7 via phone, text or email. We will do our very best to respond in a timely and helpful manner.

(805) 492-0562 (Land Line) (805) 443-2200 (Cell)
info@photocrazy.com

PCISatcom Side View