

i-QUIP

OWNERS MANUAL MODEL # IQ180

"Intelligent Equipment for the Outdoors"

Introduction

Congratulations on your purchase of a Schrade i-QUIR. The Schrade i-QUIP, Intelligent Equipment for the Outdoors, combines today's finest mobile electronics technology and simple, easy to use tools that solve all your outdoor challenges. Please carefully read through the following pages, so you can fully utilize all of the features the Schrade i-QUIR has to offer!



Table Of Contents

Introduc	tion		2
General	Information/Computer Module		5
Time Mo	ode Zone Information Clock/Year/Date Set Stopwatch		
Alarm S	et	5 80	10
Addition	al Features		11 . •/ 11
Altitude	Mode		12 – 13
Compas	ss Mode		15



Zone Information
Locking/Unlocking
General Information/Implement Pod 24 Implements 24 Lighter/Storage Compartment 25 Signal Mirror/Led Light 26 Tether Cord 27 Survival Whistle 28
Battery Replacement
Ordering Parts/Accessories
Frequently Asked Questions
Customer Service Contacts
Warranty Information
Warranty Card/Product Registration

General Information

Computer Module

To gain access to computer features, simply twist module one quarter turn counter clockwise, and remove.

Four buttons on the computer module are used to operate the Schrade i-QUIP: MODE, SELECT/SET, DOWN/LIGHT, UP.

MODE BUTTON: Allows easy movement from one mode to the next, (Time, Digital Compass, Altimeter, Barometer).



Four "zones" provide the user with a wide variety of precise information.

Note: Computer module is water resistant, not waterproof.



Time Mode

To help conserve battery life, after 60 seconds all modes will default to the time setting.

Zone information

- Zone 1 will display the current time along with AM or PM
- Zone 2 will display Alarm, Year, or Date settings
- Zone 3 will display seconds
- Zone 4 will display mode indication.



Time Set

While in Time mode, press and hold SELECT/SET for 3 seconds to advance to clockset.

- The hour will be flashing in Zone 1.
- Use the up ▲ and down ▼ arrow to increase or decrease the number.
- When at desired number, press SELECT/SET to set hour and to advance to minutes (minutes will now be flashing).
- Use the up ▲ and down ▼ arrow to increase or decrease the number.
- When at desired number, press SELECT/SET to set minutes and to advance to year (year will now be flashing in zone 2).
- Use the up ▲ and down ▼ arrow to increase or decrease the number.



- When at desired number, press **SELECT/SET** to set year and to advance you to date (month will now be flashing in Zone 2).
- Use the up ▲ and down ▼ arrow to increase or decrease the number.
- When at desired number, press **SELECT/SET** to set year and to advance you to date (day will now be flashing in Zone 2).
- Use the up ▲ and down ▼ arrow to increase or decrease the number.
- When at desired number, press Select /Set to set Day and to advance you back to hour set.

When at desired settings, press MODE to advance you back to Default mode.

Scrolling will change the number +1 or -1 each time the button is pressed; for faster scrolling press and hold the up ▲ and down ▼ arrows.

Stopwatch

While in time mode, press up arrow ▲ for 2 seconds to advance to stopwatch.

- Zone 1 will display ET (elapsed time) along with seconds and 10ths of seconds.
- Zone 2 will display the current time.
- Zone 3 will display elapsed minutes.



Function

- Press Up ▲ arrow to start, stop and restart stopwatch.
- Press down ▼ arrow to set stopwatch to 0.
- Press SELECT/SET to return to default mode.

Alarm Set

While in Time mode, double click the down arrow to advance to Alarm Set (note: clicks must be within 1 second of each other.)

- The hour will then flash in Zone 2.
- Use the Up ▲ arrow or Down ▼ arrow to increase or decrease the number (the AM/PM designator will change at 12 hour intervals).
- When at desired number, press
 SELECT/SET to set Alarm hour and to
 advance you to Alarm minutes (alarm minutes will now be flashing in Zone 2).
- Use the Up ▲ arrow or Down ▼ arrow to increase or decrease the number.
- When at desired number, press SELECT/SET to set Alarm minutes and to return you to default mode.

When Alarm is set a box will appear around the word Alarm.

Press Down ▼ arrow once to turn off alarm.



Additional Clock Features

12/24 Hr. Time

Press Up ▲ arrow once to toggle between 12 and 24 hour time.

Backlight

Press down ▼ arrow for 2 seconds (light activates for 3 seconds).

Low Battery Indicator

When battery is less than 10% of its life, the AM/PM designator will flash between AM/PM and LO (low battery). See page 29 for battery replacement.

Altitude Mode

Mode

While in time mode, press **MODE** button twice to advance to Altitude Mode.

Display

- Zone 1 displays current amount above sea level in feet or meters (-500ft to +15,000ft or -160m to +4575m) in 10ft or 5m increments
- Zone 3

 Down/Light

 Zone 2

 Select/Set

Zone 1

- Zone 2 displays the current time.
- Zone 3 displays the rate of vertical ascent or descent (ft/m per min.).
- Zone 4 displays mode indication.

Function

Upon entering Altitude Mode

- The system will update the display Zone 1 with the current Altitude.
- The Altitude reading, along with the ascent/descent rate is updated by pressing the Up ▲ arrow (the ascent/descent rate is the calculated average of ascending/descending distance per minute since the last update reading.
- Press SELECT/SET once to toggle between feet and meters.
- Pressing and holding **SELECT/SET** for 3 seconds will advance you to Altitude Set.

Pressing MODE will cycle you through Time, Compass, Altimeter, Barometer.

Please note: any altitude measured in feet 10,000 and above, the first 2 numbers will be displayed at the top of Zone 1.

Altitude Set

Select/Set

- While in Altitude mode press & hold **SELECT/SET** button for 3 seconds to advance to Altitude Set.
- Current altitude reading will now be flashing in Zone 1.
- Use the Up arrow or Down arrow to increase or decrease the number in 10ft or 5m increments.*
- When at desired number, press SELECT/SET to set altitude and to return you to Altitude Mode.

Note: The altitude must be known. This information can be taken from topographical maps once position is known.

* Note: If altitude is not known, you can set the Sea Level Pressure in the Barometer Mode (this will adjust the altitude within a few hundred feet).

Compass Mode

While in Time mode, press the mode button once to advance to Compass mode.

Display

- Zone 1 will display a 0 to 360° numerical reading along with a directional designator (N, NE, E, SE, S, SW, W, NW).
- Zone 2 will display the current time,
- Zone 3 will display the declination.
- Zone 4 will display mode indication.

Arrows in the directional ring will always point north.



Function

Upon entering Compass Mode

- The system will update the display with the current direction and will stay "live" for 10 seconds, allowing the user to level the unit and take a reading.
- The user can update the direction display by pressing and releasing the Up ▲ arrow.

Pressing MODE will cycle you through Time, Compass, Altimeter, Barometer.



Compass Mode

While in Time mode, press the mode button once to advance to Compass mode.

Display

- Zone 1 will display a 0 to 360° numerical reading along with a directional designator (N, NE, E, SE, S, SW, W, NW).
- Zone 2 will display the current time,
- Zone 3 will display the declination.
- Zone 4 will display mode indication.

Arrows in the directional ring will always point north.



Function

Upon entering Compass Mode

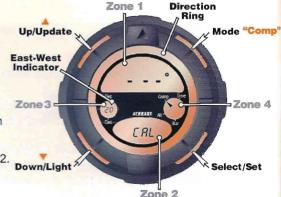
- The system will update the display with the current direction and will stay "live" for 10 seconds, allowing the user to level the unit and take a reading.
- \blacksquare The user can update the direction display by pressing and releasing the Up \blacktriangle arrow.

Pressing MODE will cycle you through Time, Compass, Altimeter, Barometer.

Compass Set

While in Compass mode, press and hold SELECT/SET for 3 seconds to advance to compass set.

- Numerical place holders will be flashing in Zone 1.
- The letters CAL will be displayed in Zone 2.



Calibration

The computer module compass mode should be calibrated and the declination set at the start of each use.

- Press SELECT/SET until place holders are replaced by 0 00 (numbers will still be flashing) and arrow will appear in Direction ring.
- Press **SELECT/SET** again to start calibration (numbers stop flashing).
- Keep compass level and rotate it 360.° If compass is not properly calibrated, "ERR" will appear. Repeat calibration process.

- Press SELECT/SET to accept calibration and to advance you to declination setting (numbers in Zone 3 will begin to flash).
- Use the UP ▲ arrow or Down ▼ arrow to increase or decrease the number, at "0" the East West Indicator will flip.

When at desired number, press **SELECT/SET** to set declination and to return to Compass Mode.

Note: If declination is set to "0," compass arrow will point to magnetic North and the digital readout will be based on magnetic North. To achieve a true North reading, the declination must be set to correspond to your local area. This information can be found on most topographical maps. Once the declination is set, the arrow will point to true North and the digital readout will correspond to true North.

Barometer Mode

While in the Time Mode, press MODE button three times to advance to Barometer Mode.

Display

- Zone 1 displays absolute (AB) barometric pressure in inHg or mbar (range of 10.0 inHg to 32.4 inHg).
- Zone 2 displays temperature in °F or °C (range of -5°F to +140°F or -20°C to 60°C).
- Zone 2 Zone 3 displays amount of change since last reading (readings are taken once every hour) along with an arrow indicating positive or negative.
- Zone 4 displays mode indication.



Function

Upon entering Barometer Mode

- The system will display the current Barometric pressure.
- Pressing the Up ▲ arrow will update the Barometric pressure in Zone 1, the temperature in Zone 2. and show the amount of change since the last update in Zone 3.
- Pressing SELECT/SET once toggles you from standard to metric (inHg to mbar and °F to °C).
- Pressing and holding SELECT/SET for 3 seconds advances you to Barometer Set (sea level). Pressing MODE will cycle you through Time, Compass, Altimeter, Barometer.

Barometer Metric

While in Barometer mode (BAR), press SELECT/SET once to toggle between standard and metric settings:

Display

- Zone 1 displays absolute barometric pressure in mbar.
- Zone 2 displays temperature in °C.
- Zone 3 displays amount of change since last reading (readings are taken once every hour) along with an arrow indicating positive or negative.
- Zone 4 displays mode indication.

Zone 3 Zone 3 Zone 4 Zone 2 Zone 2

Function

Pressing SELECT/SET once toggles you from standard to metric (inHg to mbar and °F to °C). Pressing and holding SELECT/SET for 3 seconds advances you to Barometer Set (sea level). Pressing MODE will cycle you through Time, Compass, Altimeter, Barometer.

Sea Level Pressure

While in Barometer mode, press and hold select/set for three seconds to view sea level information:

Display

- Zone 1 displays pressure relevant to sea level (SL).
- Zone 2 displays temperature.
- Zone 3 displays amount of change since last reading (readings are taken once every hour) along with an arrow indicating positive or negative.
- Zone 4 displays mode indication.

Function

- Pressing SELECT/SET once toggles you from standard to metric (inHg to mbar and °F to °C).
- Pressing and holding SELECT/SET for 3 seconds advances you to Barometer Set (sea level).



Barometer (Sea Level) Set

While in Barometer mode, press SELECT/SET for 3 seconds.

- SL (sea level) will appear in Zone 1.
- Press and hold SELECT/SET for 3 seconds to set. (Pressure values in Zone 1 will be flashing.)
- Using either up or down buttons, set reading as necessary.
- Press **SELECT/SET** to "lock in" reading.
- * Note: Sea Level pressure can be found in newspapers, on TV and radio weather reports, on the internet, etc.

Locking/Unlocking Instructions

Each implement (except corkscrew) when fully extended will lock for easy and safe operation.



- 1. Locked Position
- 2. To Unlock: Press down firmly as indicated in the illustration.

Note: A locked implement may also be unlocked, by opening any second implement (except cork screw) approx. 90° degrees or halfway.



Then slowly rotate unlocked blade back toward housing, being careful to remove fingers and hand from path of closing blade (see illustration).



General Information

Implement Pod

■ The Schrade i-QUIR is outfitted with a number of locking, stainless steel implements. They are:



Lighter/Storage Compartment

One of the greatest survival dangers in the outdoors is exposure. Your Schrade **i-QUIP** comes with a convenient compartment that holds a standard disposable lighter (not included), perfect for creating a warm and useful campfire. Remember to always treat fire in the outdoors with care and caution and always extinguish your fire. Other small items may also be stored in this compartment.



Lighter/Storage Compartment

Signal Mirror

A highly reflective signal mirror is hidden under the computer module. To expose mirror, simply twist and remove computer module.

LED Light

Your Schrade **i-Quir** comes equipped with a super bright, high intensity, red LED light. Simply push and hold ribbed button to activate. This light is powered by a 3-volt battery (see parts replacement for more information).

Tether Cord

A durable tether cord that connects the computer module to the implement pod is provided for your convenience. When using the computer module (particularly for compass readings) it's important to "stretch out" the cord to its maximum length, away from the implement pod, to ensure accurate readings.

Your Schrade **i-QUIR** comes to you with cord attached. If you choose to remove cord, follow these instructions:

Removing Cord from Implement Pod

- Loosen tether loop that is threaded around bar located at bottom left corner of product.
- After loosening, extend loop approximately 3".
- Guide computer module through 3" loop, then simply slide out cord from behind metal bar.

Removing Cord from Computer Module

- Remove whistle from tether by sliding off open end.
- Loosen thin cord that is threaded through u-shaped metal piece on side of Computer Module.
- Thread tether cord through loosened loop.

To reattach cord simply reverse the above instructions.

Survival Whistle

A SOLAS (Safety On Land And Sea) certified whistle, is secured on the **i-QUIP**'s tether. This whistle is durable and perfect for simple outdoors communication, or any emergency situation.



Battery Replacement

Computer Module

A 3-volt lithium battery (model # CR2032 or comparable) powers the Schrade i-QUIP. Computer Module.

To replace battery:

- Simply twist & remove module from implement pod.
- Locate horizontal slot on silver plate (between words Schrade & i-QUIR).
- Place the i-Quir's flathead screwdriver in slot.
- Turn one quarter counter clockwise.
- Remove metal plate.
- Flip module upside down and battery will fall out.
- Replace with new battery, positive side up.
- Replace silver plate and tighten (one quarter turn clockwise).

Battery Replacement

LED Light

A second 3 volt (model # CR2032 or comparable) lithium battery powers the push button LED light.

To replace battery:

- Twist & Remove Computer Module from implement pod.
- Locate u-shaped handle near bottom of signal mirror.
- Using fingernail, grasp handle and slide battery tray out.
- Remove old battery.
- Insert new battery, positive side up.
- Slide tray forward until it firmly clicks in place.
- Test light.

Ordering Schrade i-QUIR Parts and Accessories

To order, please call 1-800-2-schrade. Have part # and credit card (MasterCard or Visa) ready.

Parts/Accessories List:	Part #	Cost \$	
2 Pack 3-Volt Batteries (for computer module)	CR2032	6.00	
2 Pack 3-Volt Batteries (for LED light)	CR2032	6.00	
Tether Cord	TC1	2.00	
Survival Whistle	SRW1	3.00	

The operator will advise approximate shipping time and \$2.00 shipping & handling charge.

Frequently Asked Questions

Is the i-Quip waterproof?

The **i-QUIR** is water resistant to a depth of 10 meters or approximately 33 feet. It's best to keep the **i-QUIR** as dry as possible.

How long will the batteries last?

Of course this depends on product usage. The Schrade **i-QUIR** Computer Module is uniquely designed to return to the clock default mode after 60 seconds. This feature will help to prolong battery life. With normal use you can expect a 10 - 12 month battery life. A low battery (LO) symbol appears on the display when less that 10% of battery life remains, offering the user ample time to change the battery.

Where can I find the correct declination for a specific area?

Local declination is typically indicated on maps with either one degree or one half degree accuracy. We highly recommend that you recalibrate and set declination according to local maps.

How accurate is the various data and what extremes (high/low) will the i-QUIR cover?

The Schrade i-QUIR Computer Module is equipped with extremely accurate and sensitive technology.

Note the following:

Altimeter

Range: -500 M to 9,000 M (-1,600 ft to 29,500 ft.)

Resolution: 5 M or 10 ft

Barometer

Range: 300 mbar to 1,000 mbar (8.90 in Hg to 32.40 in Hg)

Resolution: 1 mbar or 0.05 in Hg

Temperature

Range: -20°C to 60°C (-5°F to 140°F)

Resolution: 1°C or F

Compass

Resolution: Bubble level for accuracy reading +/-5 degrees.

Customer Service Contacts

Schrade USA:

Phone: 1-800-2-Schrade

Fax: 1-845-210-8671

Schrade Europe:

Phone: 353-68-21066

Fax: 353-68-22155

E-mail: info@imperialschrade.ie

Website:

http://www.schradeknives.com

http://www.schrade-i-quip.com

SCHRADE I-QUIP LIMITED ONE YEAR WARRANTY

What is covered

Any materials or parts determined to be defective within one year of purchase. Schrade will repair or replace your **i-QUIP** at no charge. NOTE: Please save original, dated sales receipt. Receipt must be forwarded to Schrade with all warranty claims.

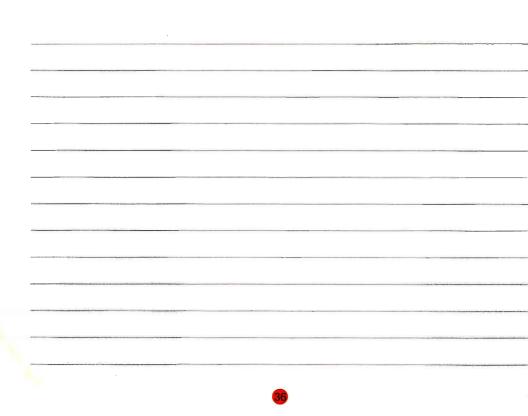
What is not covered

Damage to product resulting from improper usage, improper maintenance, neglect, alteration, accident, mishandling, improper battery replacement or unauthorized repair.

NOTE: Batteries /battery life are not warranted.

What purchaser must do

Return FQUIP. (and original sales receipt) prepaid and insured to: IMPERIAL SCHRADE CORP., 7 Schrade Court, Ellenville, NY 12428-0981 Attn: Consumer Service /Repair Dept. Please include your name and street address. Product will be returned to you prepaid. In no event shall Schrade be liable for general, incidental or consequential damages including, without limitation, injury or damage to persons or property, arising out of any product defect, or arising out of any breach of the warranty made herein, or inability to use this product. Some states do not allow limitations how long an implied warranty will last or the exclusion or limitation of incidental or consequential damage, so the above limitations or exclusion may not apply to you since this warranty gives you specific legal rights and you may also have other rights which vary from state to state.



SCHRADE i-QUIP

Warranty Card

Product Registration iQ180

NAME		
ADDRESS:		
CITY	STATE	ZIP
SIGNATURE:		
DATE OF PURCHASE: (MONTH, YEAR)		
1. Name of store:		
NAME		
ADDRESS: (CITY, STATE)		
2. Type of store		
☐ Received as gift	□ Cutlery Store	
☐ Outdoor Specialty	☐ Mail Order/ Catalog	
☐ Mass Merchandiser☐ Department☐ Sporting Goods☐ Other	☐ Internet ☐ Military/PX	
☐ Warehouse Club		

3.	What factors most influence	
	☐ Product Attributes/	☐ Word of Mouth
	Appearance	☐ Friend
	☐ Instore Display Article	☐ Magazine Ad or
	□ Sales Person	□ Internet
	☐ Professional Outdoors Person	□ Received as a Gift□ Previous experience with Schrade
4.	How did you first become	
	product? (Check only one	
	☐ TV ad	 Other Internet source
	☐ Radio ad	☐ Salesperson
	☐ Newspaper ad	☐ Friend/Relative
	☐ Magazine ad	☐ Other
	☐ Store display	
	☐ Schrade s Web site (w	ww.schradeknives.com)
5.	How many other Schrade own?	products, if any, do you
	products.	
3.	What outdoor activities do	you participate in?
	☐ Hiking	☐ Running/Jogging
	□ Climbing	☐ Skiing
	☐ Biking	☐ Hunting
	☐ Fishing	☐ Kayaking/Canoeing
	☐ Other	

What publications do you read?			Which credit cards do you use	regularly?	
Outdoor	General		☐ American Express	☐ Dine	rs Club
a a	Tree of	Fed.	☐ MasterCard ☐ Visa	☐ Disco	
b b			☐ Department Store ☐ Oil Company ☐ Do not use credit cards		company
Occupation (check all that apply)		For your primary residence, do	vou:	
	You	Spouse	□ Own	☐ Rent	
Professional/Technical			□ OWII	L Rent	
Upper management/Executive			Which of the following do you	plan to do	within the
Middle Management			next 6 or 12 months?	1—6 Mos.	7—12 Mos.
Sales/Marketing			Get Married		
Clerical/Service Worker			Have a Baby	ū	
Tradesman/Machine		_	Buy a House		П
Operator/Laborer			Remodel a home	4	
7. Are you or your spouse:					
A Homemaker?			Move to a New Residence		
Retired?			Change jobs		
A Student?		0	Retire		
Self Employed/	-		9. Please check all that apply t	o vour hou	ısehold
Business Owner?			☐ Shop by Catalogue/Mail	-	a CD Player
Working from Home Office?			☐ Member of a Frequent		•
In the Military? A Federal Employee?			Flyer Program		corder
	_		☐ Donate to Charity	☐ Have	
8. Which group describes your annual family income?			☐ Watch Cable TV	□ Have	U
	\$50,000 — \$				a Cal
	\$60,000 — \$	and the same of th	☐ Own a Personal Compute	31	
	\$75,000 — \$		After completing warranty card		
	\$100,000 —	The state of the s	send to: Schrade, 7 Schrade C		e, NY
□ \$40,000 — \$49,999 □ :	\$150,000 &	Over	12428, Attn: Consumer Service	S.	

i-QUIP

Imperial Schrade Corp., 7 Schrade Court, Ellenville, NY 12428

© 2001 Imperial Schrade Corp. Schrade is a trademark of Imperial Schrade Corp.

Assembled in the U.S. from U.S. and Imported Parts

-