

archer² +

from



a PDA like no other

The best just got better

ILLUMIVIEW™ - High visibility display

- > Extra large for easy viewing
- > View in glaring sunlight
- > Capacitive touch screen
- > Hold to zoom - gives absolute precision

PERFORMANCE

- > Microsoft Windows embedded handheld 6.5.3
- > Fast 1.0 HHZ processor
- > Loads of memory 512mb ram & 8GB flash

OVERTIME TECHNOLOGY™ BATTERY

- > Up to 20 hours, charge time 2-4 hours
- > Intelligent Li-Ion battery 10600 mAh 3.7V
- > Operates in extreme temperatures -22°F to 140°F (-30°C to 60°C)

JUNIPER RUGGED

- > Dustproof & water proof (IP68 rating)
- > MIL-STP-810G
- > 2 year warranty

So what is the + ?

With any archer² purchased you receive **FREE**, your choice of either software packages:-

POCKET SURVEYOR OR **FIELD SURVEYOR**

Choose from the following configurations:

Model AR2-S

Standard - WiFi, BT, 512mb, 8GB storage

Model AR2-G

Standard - GEO, WiFi, BT, GPS, Camera, 512mb, 8GB storage

Model AR2-GC

Standard - GEO, WiFi, BT, GPS, Camera, Cell, 512mb, 8GB storage



CAMERA (GEO models)

- 5MP resolution with autofocus and LED illuminator + video capture
- Juniper Geotagging™: embed and emboss photo with date, time and GPS position



PORTS

- COM1, RS-232C 9-pin D connector with 5VDC power output on pin 9 software-enabled
- USB host (Full A), USB Client (Micro B)
- 12, 24VDC input, 10-36V unregulated
- 3.5mm audio jack, supports speaker/microphone or stereo output (pin detect)
- I/O module OEM configurable/customizable

JUNIPER
systems

FIELD SURVEYOR

OR

Version 1.0

INTERNATIONAL VERSION

Includes all 8 modules Free

FILE

- Create blank job
- Open existing job
- Save current job
- Save current job and rename

SETUP ROUTINES

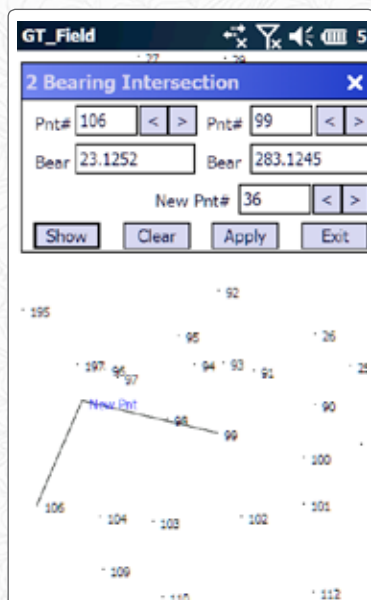
- Configure GPS, set for auto pickup when minimum time or distance changes
- Serial port setup – enter baud rate etc for built in GPS or external GPS

DISPLAY

- Point numbers
- Heights
- Codes
- Descriptions
- Strings
- Bitmaps
- Points with attached photo's
- Georeference a bitmap
- Zoom
- Dynamic zoom

STRINGS

- Add String
- Traverse adjustment via string
- Show Area and perimeter of string



POINTS

- Display Database
- Add Point
- Edit Point
- Attach photo to a point
- Join / Invert
- Translate
- Rotate

COGO

- Calc point by bear and dist
- Radiate from a point
- Intersect Routines
 - 2 Bear intersect
 - 2 Distance intersect
 - 3 Bear and Dist intersect

Offset Calculations

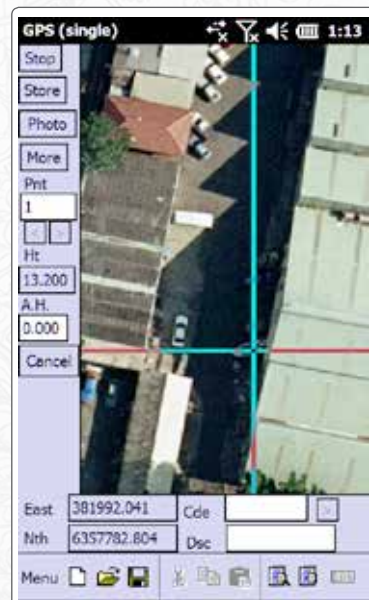
- Chainage and offset
- Parallel offset calculations

Road Calculations

- By parallel offsets

Units

- Set distance (meters feet etc) bearings (whole bearing, quadrants etc). Prompted at startup but allows user to change later if necessary.



GPS

- Start / Stop
- Pickup – shows background map and minimal gps info
- Pickup – full screen - also includes "local zone" button to setup whether using ISG, UTM, NAD23 etc
- Setout to a point
- Setout Chainage/Distance and Offset
- Display Commands

PHOTO FUNCTIONS

The archer2 also contain the ability to geo-reference photo's as they are taken. GT_Field contains built in functions that allow you to:

- Take a point already in GT_Field database and run a function that allows you to take a photo. GT_Field knows it is now associated with this point and a "info" tag is displayed on this point. This allows you to display the photo interactively.
- GT_Field allows you to capture and enter a point using GPS and gives you a prompt to take and associate a photograph with it
- As you can attach a photo to any point, it allows you to leverage the Cogo routines.

DATA ENTRY

Quadrant N23.2345E

(North 23 degrees, 23 minutes and 45 secs East)

Whole circle 123.3445

(123 degrees, 34 minutes and 45 seconds)

Grads 123.3245g

Mils 342.221mil

N-E or E-N

Feet, Metres

Battery Stack in lower section

Showing GPS Power Pole model **GT-PP** with archer2

POCKET SURVEYOR

• Very Fast • Simple to use • Runs on any Windows Mobile

Version 2.0

INTERNATIONAL VERSION

Includes all 8 modules Free

CONVERSION MODULE

- Links to metres
- Metres to links
- Acres roods perches to m²
- Slope reduction
- Feet to metres
- Metres to feet
- Bearing arithmetic

RESECTION MODULE

- Easy input and data checking prior to performing the calculation
- Only limited in size by the available memory

VERTICAL CURVE MODULE

- Computes level at an entered chainage
- Computes high/low point

LEVEL & GRADE MODULES

- Simple and easy input of level runs
- Computes progressive rises, falls and levels
- Level computation for straight grades using chainage

COORD MODULE

- Multiple bearing & distance computation between known points of E & N or N.E.
- Multiple radiations about a fixed point
- Coordinate traverse computation

Coord		10:14	
East 1	335988.123	Calc	
North 1	1337261.513		
East 2	335621.108	Make	
North 2	1336908.613	PT1	
Calc.		Bearing	
		226°07'23.6"	
Traverse from Point 1		Distance	
Bear		509.1546	
Dist			
Enter		EXIT	
N	7	8	9
E	4	5	6
S	1	2	3
W	0	.	/
		+	-
		DEL	
		CLR	
		ENT	

CLOSE MODULE

- Entered data can be manipulated or deleted and re-entered at any stage
- Data can be reviewed and changed at any time
- Conversion module duplicated for distance input
- Rigorous internal error checks and user friendly display prompts
- Curved boundary input
- 1/2 Angle computation
- Secant computation
- Repetitive misclose computation at any stage
- Close can be added to after any type of computation has been performed
- Area computation (includes arcs)
- Accuracy computation
- Bowditch and adjusted area computation
- 2 missing bearing computation
- 2 missing distance computation
- Missing bearing and distance on separate lines computation
- Export points (CSV)
- Output to text file

POINTS MODULE

- Jobs can also be scaled, shifted, rotated stored and retrieved
- Store, recall any file
- Incorporates, Close, Conversion, Curve Co-ord Modules within this module

HORIZONTAL CURVE MODULE

- Equal & Stepped division
- Setout computations and division by chainage
- Setout computations by bearing & distance
- Eccentric station

DATA ENTRY

Quadrant Circle N35.2545E

Whole Circle 35.2545

N-E or E-N

Feet, Metres



Inbuilt RPN Calculator Emulator

Points		3:40	
Start Point	4	Area	Calc
End Point	5		
Bearing	358.18000	Coordinates	
Distance	203.0000	Point #	Calc
Calc.	Next	East	
		North	
		Up	Down
Bowd.		EXIT	
File	Input	Close	Calcs
N	7	8	9
E	4	5	6
S	1	2	3
W	0	.	/
		+	-
		DEL	
		CLR	
		ENT	



archer²

Wherever Your Job Takes You



The Ultimate Rugged Handheld

From the hammer and anvil, the archer² has emerged faster, smarter, and more sophisticated than ever before, claiming top spot for the most advanced rugged handheld out there. Specifically designed to boost productivity and speed, the archer² was made for professionals who don't have time to mess around. So whether you're collecting GIS data, researching migration routes, or mapping wildland fires, the archer² will be your reliable companion, wherever your job takes you.

Made in USA



DISPLAY

- Active viewing area: 4.3" (109 mm) WVGA LCD TFT (800x480)
- High visibility backlit LCD
- Portrait or landscape orientation

TOUCHSCREEN

- Projected capacitive touch interface "optically bonded" to display for increased visibility
- Chemically-strengthened glass
- Scratch-resistant screen

BATTERY

- Intelligent Li-Ion battery 3.7VDC @ 10600mAh, 38.16Whr
- Operates for up to 20 hours on one charge
- Charges in 2 to 4 hours
- Battery easily changeable in field
- Optimised for excellent performance in cold temperatures



archer² attached using
GT-C & GT-A



Lightweight PDA Clamp
Model GT-A



Lightweight Pole Clamp
Model GT-C

KEYBOARD

- Adjustable LED backlit keys
- Numeric keypad (6 user-reassignable)
- OEM configurable/customizable

PHYSICAL

- Size, Standard models: 3.6" w x 7.25" l x 1.5" d (91 mm x 185 mm x 38 mm)
- Weight 1.3lbs (590g), with battery
- Durable hardened plastic in a shear-proof and shock-resistant design
- Strong chemical resistance
- Comfortable, wide hand grip
- East-to-grip, impact-absorbing bumpers

Authorised Dealer

For Complete product specifications,
please visit :

www.junipersys.com/archer2specs