



## Avalanche Transceiver Comparison

Options  
 Display Detail:  Basic  More  All  
 Technology:  Analog  Digital  
 Antennas:  1  2  3  
 Minimum Score:   
 Status:  Include discontinued transceivers  
 Displaying 5 transceivers that match the above criteria.

Product	Evolution+	Advanced	Opto 3000	Tracker DTS	X1
Brand	ARVA	ARVA	Baryvox	BCA	Ortovox
Model	Evolution+	Advanced	Opto 3000	Tracker DTS	X1
Country of origin	France	France	Switzerland	USA	Germany
Company website	<a href="#">Visit website</a>	<a href="#">Visit website</a>	<a href="#">Visit website</a>	<a href="#">Visit website</a>	<a href="#">Visit website</a>
Retail price (US)	\$299.95	\$349.95	\$???.??	\$239.95	\$???.??
Read review	<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>
Released date	2003 & 2005	2004	1998	1997	2002
Discontinued date	2009	2009	2007	2018	2007
Warranty (years)	~5 years	~5 years	5 years	5 years	5 years
<b>Specifications</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Antennas	2	2	2	2	2 or 3
Analog/Digital	Digital	Both	Both	Digital	Both
Frequency	457 kHz	457 kHz	457 kHz	457 kHz	457 kHz
<b>Size and Weight</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Harness style	Integrated	Pouch	Pouch	Pouch	Integrated
Dimensions (mm)	136x80x30	136x80x30	108x68x25	141x83x30	130x80x25
Dimensions (cu mm)	326 cu cm	326 cu cm	184 cu cm	351 cu cm	260 cu cm
Weight	285 grams	355 grams	265 grams	400 grams	250 grams
Without harness	285 grams	260 grams	175 grams	250 grams	250 grams
<b>Controls</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Power on/off	Harness	Leash plug	Press-and-slide	Turn dial	Harness
Send to Search	Pull end	Pull end	Press 3 times	Push & hold button	Slide-and-turn
Audible alert on change to search	None	None		3 Beeps	
Inadvertently enter Search mode				No	
Unholster, Search, Send with gloves?					
Search to Send	Bump end	Bump end	Press-and-hold	Press button	Twist dial
Audible indication on change from search to send				Beeps	None
Can inadvertently enter send mode				Possible	
Analog/Digital toggle	NA	Press "-" & "+"	Press-and-release	NA	Automatic
Sending indicator				Blinking LED	
Visible when in harness	No	No			
Haptic (vibration) feedback	No	No	No	No	No
Error reporting	Displays "Er"	?	?	None	?
<b>Display</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Digital display	Yes (LED)	Yes (LED)	Yes (LCD)	Yes (LED)	Yes (LED)
Lighted display	Yes	Yes	Yes	Yes	Yes
Display size (sq mm)	693	693	726	176	198
Screen contrast control	No	No	No	NA	NA
<b>Searching</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
<a href="#">Recommended search strip</a>	40 meters	40 meters	40 meters	40 meters	35 meters
Displays suggested search strip width	No	No	No	No	No
Displays reduced search strip width	No	No	No	No	No
Points to victim	Yes	Yes	Yes	Yes	Yes
<a href="#">Direction indicator</a>	Arrow (LCD)	5 LEDs	Arrow (LCD)	5 LEDs	3 LEDs
Directions possible				5	3
Can point behind searcher	No	No	No	No	No
Displays distance	Yes	Yes	Yes	Yes	Yes
Distance indicator type	Meters (LCD)	Meters (LCD)	Meters (LCD)	Meters (LED)	Meters (LED)
Can show if victim is moving			No	No	No
Direction indicator disappears	2 meters	2 meters	0.3 or 3m	Never	2 meters
<a href="#">Handles spikes</a>	No	No	No	No	No
Auto revert to transmit (send)	No	No	Yes	Yes	No
Minutes before reverting	NA	NA	Off, 4 or 8 minutes	<a href="#">Off or 5 minutes</a>	NA
Can disable auto-reverting	NA	NA	Yes	Yes	NA
Senses motion before reverting	NA	NA	No	No	NA
Warns before reverting	NA	NA		Beeps	NA
Supports <a href="#">Rescue Send</a> mode	No	No	No	No	No
Searches for <a href="#">Pieps dog transmitter</a>	No	No	No	No	No
Tests other beacons	No	No	No	No	No
<b>Audible Search</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Earphone jack	No	Yes	Yes	No	Yes
<a href="#">Audible technique</a>	Cadence & Pitch	Cadence & Pitch	Cadence or Volume	Cadence & Pitch	Cadence
Tone: <a href="#">signal search</a>	Silence	Analog or Silence	Analog or Silence	Silence	Analog
Tone: <a href="#">coarse search</a>	Digital	Analog or Digital	Analog or Digital	Digital	Digital
Tone: <a href="#">fine search</a>	Digital	Analog or Digital	Analog or Digital	Digital	Digital
Tone: <a href="#">changes based on direction</a>	No	No	No	No	No
Volume control	No	-/+ when analog	Buttons when analog	No	No
<b>Multiple Burials</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Multiple burial indicator	Yes	Yes	Yes	No	No
Shows number of transmitters	1 or >1	1 or >1	1 or >1	No	No
<a href="#">Has multiple burial mode</a>	Yes	Yes	No	<a href="#">"Special Mode"</a>	No
Can "mark" during a multiple burial	No	No	No	No	No
Can "unmark" a transmitter	NA	Yes	NA	NA	NA
<b>Transmitting</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
<a href="#">Transmit cadence based on nearby transmitter</a>	No	No	No	No	No
<a href="#">Transmit antenna based on orientation</a>	No	No	No	No	No
Transmit antenna based on interference	No	No	No	No	No
<a href="#">Stops transmitting if senses iProbe</a>	No	No	No	No	No
Transmits victim movement	No	No	No	No	No
<a href="#">Contains RECCO reflector</a>	No	No	No	No	No
<b>Other</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Altimeter	No	No	No	No	No
Compass	No	No	No	No	No
Customizable startup screen	No	No	No	No	No
Inclinometer	No	No	No	No	No
Thermometer	No	No	No	No	No
Updateable (firmware)	No	No	No	No	No
User updateable	No	No	No	No	No
<b>Batteries</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
Battery size and count	AAA x 4	AAA x 4	AAA x 3	AAA x 3	AA x 2
Battery life (send/search)	250 hours	250 hours	200-300+	200+/	300/40
Battery indicator	Percentage	Percentage	Percentage	Percentage	Percentage
Battery door	Screw (coin)	Screw (coin)	Thumb catch	Screw (coin)	Screw (coin)
Battery type(s)	Alkaline	Alkaline	Alkaline	Alkaline	Alkaline
<b>Summary</b>	<b>Evolution+</b>	<b>Advanced</b>	<b>Opto 3000</b>	<b>Tracker DTS</b>	<b>X1</b>
<a href="#">Steve's Score</a>	2.0	2.0	2.0	2.5	0.5
<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>	<a href="#">Read review</a>
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