Downloading Your Datalogger

Step 1



Change the batteries in your Datalogger if necessary, plug your Datalogger into your laptop and then double click on the AllTopo icon on your computer's desktop.



Uncheck "Open Last Project", and then click "OK".



Click "tools", then "GPS Tool" in the drop down menu.



Click "GPS Setup"

🗞 ATM7: GPS Tool (Build 7601)
File View Help
Coordinate List GPS Setup NMEA & Tracking Setup GPS Brand GPS DataLogger (MTAg) Carmin Brunton MNS Garmin GPX Magellan Magellan USB File Transt
COM Port Settings
Com Port COM3 💌 Data Bits 8 (default) 💌
Baud Rate 4800 Parity None (default) Defaults
Datum over GPS Interface Datum exchanged over serial interface. This value should be WGS84 for almost all GPS devices! ✓ Use NADCON for conversions (otherwise use Molodensky) GPS Communication Test Test GPS Link GPS Datalogger Info: ; DL-04HS DGPS-XM4-ME; 2.5n f162pm 10s 0000; I COM Debug
All Topo Vewer Version Image: Wide of the second
Erase All Waypoints in GPS
AgP Switching AgP GPS to 4800 baud

Check the "GPS Datalogger (MT Ag)" button, and then select your "Com Port".

IF YOU DO NOT KNOW WHICH COM PORT IS CORRECT; FOLLOW THESE NEXT 8 STEPS: (For detailed instructions, please refer to "Finding Your Comport".

- A) Start
- B) Settings
- C) Control Panel
- D) Administration Tools
- E) Computer Management
- F) Device Manager
- G) Expand Ports (click on the "plus" sign)
- H) Remember which Com Port has USB to Serial Cable. This will be your Com Port.

ATM7: GPS Tool (Build 7601)	
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Coordinate List GPS Setup NMEA & Tracking Setup	
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⊂ Garmin C Brunton MNS C Garmin GPX	
O Magellan O Magellan USB File Transl	
COM Port Settings	1
Com Port COM3 💽 Data Bits 8 (default) 💌	
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GPS Link GPS Datalogger Into: ; DL-04HS DGPS-XM4-ME; 2.5n f162pm 10s 0000; I	
COM Debug	
All Topo Vewer Version V6 and before V7 and after	
Europata Logger Interval	í
Erase All waypoints in GPS	1
3P Switching AgP GPS to 4800 baud	11.

Click "Test GPS Link", wait a few seconds, and then information similar to this should appear in the box to the right.

💊 ATM7: G	iPS Tool (Bu	ild 7601)			
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Coordinate Li GPS Brand C Eagle Lo	st GPS Setup wrance	NMEA & Trac	king Setup	• GPS Data	aLogger (MTA
C Garmin C Magellar	ı	C Brunton MN	.S 🤇 SB File Transl	Garmin Gl	PX
COM Port Se	ettings				
Com Port	СОМЗ	🝷 Data Bits	8 (default)	-	
Baud Rate	1800	▼ Parity	None (default)		<u>D</u> efaults
GPS Commu	CON for conve inication Test ink GPS Da	rsions (otherwise talogger Info: ; D	use Molodensk L-04HS DGPS-((y) 	5n f162pm 💡
COM Deb	ug 10s 0001); 			
⊂All Topo Vev ⊂ V6 and b	ver Version	(V7 and after 		
Erase All W	aypoints in GPS	; Data Log	ger Interval	ule ul	- Ulink Conserv

Click the "Coordinate List" tab.



AgP Switching AgP GPS to 4800 baud... Click the "GPS Receiver" button.

🍫 ATM7: GPS Tool (Build 7601)
File View Help
Coordinate List GPS Setup NMEA & Tracking Setup
-1. Load Coordinates From
🛛 🏷 All Topo Maps 🛛 🚔 Waypoint File 🛛 🗞 GPS Receiver
Append new coordinates to existing
Load Coordinates From GPS
Get Coordinates From
waypoint List C Route List C Track List
X Cancel V OK
3. Save Selected Coordinates To
All Topo Maps 🛛 🖗 🔚 Waypoint File 🛛 💊 🍾 GPS Receiver
AgP Switching AgP GPS to 4800 baud

Make sure "Waypoint List" is checked, and then click "OK".

💊 Button Attri	butes:		
Advanced			
Valid Button Attrib	utes	1	
Find	🏄 Eind	🔁 Load Values 🖉 Load Conf	fig 🛛 🕞 Save Config
Button Definitions			
BTN 1 Blue 🛛 🔶	BTN1	_ _	🖵 Load from Grid
BTN 2 Gray 🛛 🌒	BTN2		🖵 Load from Grid
BTN 3 Green 🌻	BTN3		🖵 Load from Grid
BTN 4 Orange 🔶	BTN4		🖵 Load from Grid
BTN 5 Red 🛛 🏓	BTN5		🖵 Load from Grid
Applicator and Lo	ation Information		
Applicator		_	
County	State	 Infested Area	
Comments	,	,	
Submitter	Swath Width (feet) 25.0	
			🗸 ок

Click the "Load Config" button. Your information should load automatically. Just make sure BTN's match your Datalogger. If your button information is correct skip step 11.

Load Attribute	ists				? 🗙
Look in:	🗀 Settings		•	+ 🗈 💣 🎟 -	
My Recent Documents Desktop	FIRE.AttrList WEEDS_All.AttrL WEEDS_BCS.Attr WEEDS_Federal WEEDS_MT.Attr WEEDS_ND.Attr WEEDS_SD.Attr	ist rList .AttrList List List			
My Documents					
My Computer					
					
My Network	File name:			•	Open
1 10003	Files of type:	Attribute Lists		•	Cancel

Double click the WEEDS_ND AttrList.

🗞 Button Attributes: WEEDS_ND							
Advanced							
-Valid Button Attril	outes						
Find	🏄 🔒 Eind		🚰 Load Values 🛛 🚰 Load Conf	ig <u>S</u> ave Config			
CODE	CMNNAM	SCINAM		<u>~</u>			
ANAR6	sentless chamomile, corn chamomile	Anthemis arv	rensis L.	~			
- Button Definition	\$						
BTN 1 Blue (CIAR4;Canada thistle;Cirsium arvense (L.) \$	Scop.;		🖵 Load from Grid			
BTN 2 Gray 🛛 🌒	ARAB3;absinthium, wormwood;Artemisia al	ARAB3;absinthium, wormwood;Artemisia absinthium L.;					
BTN 3 Green 🎈	CERE6;Russian Knapweed;Centaurea repens L.; 🚽 Load from Grid						
BTN 4 Orange 븢	CESO3;yellow star-thistle;Centaurea solstitialis L.; Load from Grid						
BTN 5 Red 🛛 🏓	UNK1;UNK1;Unknown 1;						
∟ ⊢Applicator and Lo	ocation Information						
Applicator	Mark Silver						
County	Salt Lake County State	ND	Infested Area County Ro	ads			
Comments							
Submitter	Swath Wid	lth (feet) 25.0)				
				🖊 🗸 ОК			

Make sure your Datalogger buttons and this screen match up precisely. Press "OK" If it does not match your Datalogger, go to the next step.

Valid Button A	ttributes		국 Load Values C 국 Load
	BAB Turn		
	Lanada thistle	Lirsium arvense (
	bull thistle	Cirsium vulgare (Savij Len.
CUAR4	held bindweed	Convolvulus arve	ensis L.
CYUF	houndstongue, gypsyflower	Cynoglossum offi	icinale L.
EUES	leaty spurge	Euphorbia esula	L.
HYNI	black henbane	Hyoscyamus nige	er L.
LIDAD	Dalmatian toadflax	Linaria dalmatica	i (L.) P. Mill. ssp. dalmatica
LIVU2	yellow toadflax, butter and eggs	Linaria vulgaris P	P. Mill.
IYSA2	numle loosestrife	I utbrum salicaria	1 16 17 18 19
BIN 1 Blue	EUES;leaty spurge;Euphorbia esul	a L.;	
BTN 2 Gray	CIAR4;Canada thistle;Cirsium arver	nse (L.) Scop.;	
BTN 3 Green	LIVU2;yellow toadflax, butter and e	eggs;Linaria vulgaris P. Mil	L;
BTN 4 Orange	😑 CYOF;houndstongue, gypsyflower;	Cynoglossum officinale L.;	
BTN 5 Red	UNK1;UNK1;Unknown 1;		
Applicator and	Location Information		
Applica	tor Mark Silver		
Cour	ntu Salt Lake County	State ND	Infested Area County Roads
Common			
Continer	its		-

Note how I highlighted Houndstongue, then selected the appropriate button to "Load from Grid". Next, fill in your personal information, and then click "OK".

ATM	7: GPS Tool (E	Build 7601)		×
File Vie	w Help			
Coordina	ate List GPS Set	up NMEA & Tracking S	etup	
_1. Los	ad Coordina	tes From	1	
2	II Topo Maps	🗃 Waypoint File	SPS Receiver	
C App	🔖 FTP Resu	lts		
2. Ed	File to Transfer	C:\ATM7Pro\GPS_DB\	NDDA_20110726_092459.zip	-
	FTP Server	www.alltopogps.com		
	FTP User Name	atmgpsnd		
	FTP Password	########	Verify Account	
<	X Abort		Transfer Now Cancel	>
-3. Sa	Ve Selected	Coordinates To-	GPS Receiver	
		- Call and boundaries		

Wait until you see this window. Click "Transfer Now". This will be sent to the North Dakota Department of Agriculture.

💊 ATM7: GPS Tool (Build 7601)	
File View Help		
Coordinate List GPS Se	etup NMEA & Tracking S	etup
-1. Load Coordina	ites From	
All Topo Maps	😂 Waypoint File	SPS Receiver
FTP Rest	ılts	
File to Transfer	C:\ATM7Pro\GPS_DB\	NDDA_20110726_092459.zip
FTP Server	www.alltopogps.com	
ET Informat	tion	
-	ETD Eile Treesfers Success	
	FIP File Transfer; Success	enty Account
Cul	1	=10.393
513	ОК	
>>> File Transf	er: Success	
	Г	×
X Abort	L	✓ Iransfer Now X Cancel
<		>
3. Save Selected	Coordinates To	
NI Topo Maps	♦ Waypoint File	GPS Receiver

When the "File Transfer" is complete, click "OK". (At this point, the data has been sent to the Department of Agriculture).

💊 ATM7: GPS Tool (Build 7601)
File View Help
Coordinate List GPS Setup NMEA & Tracking Setup
-1 Load Coordinates From
All Tana Mana CC ² A Manaint Ella AL CBS Resolitor
Append new coordinates to existing
2. Edit and Select Coordinates to Save
46.82436667 -100.81246667 WGS84; T00001; B1 B2 B4 B5; GPSID=000
46.82436667 -100.81246667 WGS84; T00005; B5; GPSID=0000 LAT=46.
46.82435000 -100.81250000 WGS84; T00008; B3 B4; GPSID=0000 LAT=
46.82435000 -100.81250000 WGS84; T00010; B3; GPSID=0000 LAT=46.
46.82433333 -100.81251667 WGS84; T00013; B2; GPSID=0000 LAT=46.
46.82431667 -100.81250000 WGS84; T00016; B1; GPSID=0000 LAT=46.
46.82431667 -100.81251667 WGS84; T00018; B4; GPSID=0000 LAT=46.
46.82433333 -100.81255000 WGS84; T00021; B5; GPSID=0000 LAT=46.
46.82435000 -100.81253333 WGS84; T00023; B4; GPSID=0000 LAT=46.
46.82438333 -100.81255000 WGS84; T00026; B3; GPSID=0000 LAT=46.
46.82435000 -100.81255000 WGS84; T00029; B2; GPSID=0000 LAT=46.
46.82430000 -100.81256667 WGS84; T00032; B1; GPSID=0000 LAT=46.
46.82436667 -100.81246667 WGS84; T00002; B1 B2 B4 B5; GPSID=000
46.82436667 -100.81246667 WGS84; T00003; B1 B2 B4 B5; GPSID=000
46.82436667 -100.81246667 WGS84; T00004; B1 B2 B4 B5; GPSID=000
46.82436667 -100.81246667 WGS84; T00006; B5; GPSID=0000 LAT=46.
46.82436667 -100.81246667 WGS84; T00007; B5; GPSID=0000 LAT=46.
46.82435000 -100.81250000 WGS84; 200009; B3 B4; GPSID=0000 LAT=
46.82435000 -100.81250000 WGS84; 0011; B3; GPSID=0000 LAT=46.
46.82433333 -100.81251667 WGS84 00012; B3; GPSID=0000 LAT=46.
46.82431667 -100.81251667 WGS84 100014; B2; GPSID=0000 LAT=46.
-3. Save Selected Coordinates
Napo Maps 🛛 I Topo Maps
Loaded 32 lines into grid.

Your window should now look like this. Click "Waypoint File".

Save Coordinate	es to Waypoint File 🛛 🛛 🔀	
Save in:	🞯 Desktop 🔽 🗢 🛍 💣 🎫 -	
My Recent Documents Desktop	My Documents My Computer My Network Places AllTopo Updating Downloading your Datalogger Instructions Jay Ell Programs	
My Documents My Computer		Ш
My Network Places	File name: AllTopo Points Save Save as type: Text, WP, USR Files (*.hwp,*.wp,*.txt,*.usr) Cancel	
	46.82435000 -100.81250000 WGS84; T00011; B3; GPSID=0000 LAT=46. 46.82433333 -100.81251667 WGS84; T00012; B3; GPSID=0000 LAT=46. 46.82431667 -100.81251667 WGS84; T00014; B2; GPSID=0000 LAT=46. 46.82431667 -100.81251667 WGS84; WGS94 46.82431667 -100.81251667 WGS84; T00014; B2; GPSID=0000 LAT=46. 47.8844 48.8844 48.8844 48.8844 4	

Choose the Destination folder in the "save in:" at the top of the dialog box. This will direct where the points will be saved. Then name the file (bottom). This is typically the date of the download (For Example: 6122011). Click "Save".

Coordinate List GPS Set	up NMEA & Tracking	Setup	1
1 Lood Coordinat		1 Derah	
			Proving 1
All Topo Maps	Waypoint File	GPS	Receiver
Append new coordinat	es to existing		
2. Edit and Select	Coordinates to	Save	
46.82436667 -100.8 46.82436667 -100.8 46.92436667 -100.8 46.92435000 100.8 45.92435000 100.8	81246667 WGS84; 81246667 WGS84; 91250000 WGC04.	T00001; B1 T00005; B5	B2 B4 B5; GPSID=000 ; GPSID=0000 LAT=46. P4; GPSID=0000 LAT= PSID=0000 LAT=46.
4 Save Coordinates as			PSID=0000 LAT=46.
 Jave Coordinates as Individual Waupoir 	de		PSID=0000 LAT=46.
C Connected Route	of Waypoints 🗙 Cancel	ОК	PSID=0000 LAT=46. PSID=0000 LAT=46. PSID=0000 LAT=46. PSID=0000 LAT=46.
40.02430000 -100.0	120000/ WG204,	100032, DI	, GPSID=0000 LAT=46.
46.82436667 -100.8	81246667 WGS84; 81246667 MGS84:	T00002; B1	B2 B4 B5; GPSID=000 B2 B4 B5: GPSID=000
46.82436667 -100.8	31246667 WGS84;	T00004; B1	B2 B4 B5; GPSID=000
46.82436667 -100.8	31246667 WGS84;	T00006; B5	; GPSID=0000 LAT=46.
46.82436667 -100.8	31246667 WGS84;	T00007; B5	; GPSID=0000 LAT=46.
46.82435000 -100.8	31250000 WGS84; 31250000 WGS84;	T00009; B3	: GPSID=0000 LAT=46
46.82433333 -100.8	31251667 WGS84;	T00012; B3	; GPSID=0000 LAT=46.
46.82431667 -100.8	81251667 WGS84;	T00014; B2	; GPSID=0000 LAT=46.
K 02421667 100 0	1.250000 WCC04.	700015- 02	> CDCTD-0000 LAT-4C
-3 Sava Salactad	Coordinator Tr	(
All Topo Maps	Vaypoint File	💧 👌 🗞 GPS	Receiver

Make sure "Individual Waypoints" is checked, and then click "OK". Close the "ATM7: GPS Tool window by clicking the red "X" in the upper right corner. At this point your data has been sent to the NDDA and saved to your computer.