

Upgrademanual



www.selfsat.com

Models of controller type

	Controller type A	Controller type B	Controller type C
	HOME GPS O Turksat: O Thor O Astra2: O AtlanticBird 3 O Astra3: O Hispasat O Astra1: O User 1 O HostBird: O User 3 O Astra 4: O User 3 O K	HOME GPS Taken BEEL HOME (C)	
SNIPE	Ο		
SNIPE PRO		0	Ο
SNIPE PRO MAX		Ο	Ο
SNIPE DOME	Ο		
SNIPE2			Ο
SNIPE Air			ο
SNIPE DOME Air		Ο	

***** For the models have two types of controller, see image and select the correct type.

Contents

Controller type A	••••	• • • •	 ••	 •••	••	•••	••	•••	• •	• •	••	• •	 •	4
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Controller type C	••••		 •••	 					•	•			 .1	4

Note

- Incorrect file download may cause upgrade failure so make sure to download the correct file belongs to using antenna model. (Especially SNIPE and SNIPE DOME require different upgrade file and satellite data despite of using the same controller type(A).)
- ※ For controller type A/B, antenna to controller connection is the same as normal operation. Just add proper type of USB cable from controller to PC.
- For controller type C, only controller with power is required. Disconnection the controller from the antenna unit is recommended. Since type C provides a different way of upgrade using USB, upgrade file has all relevant data including satellite, so no need other downloads except upgrade file.

SNIPE Upgrade (Controller type A)



NOTE

Please read this upgrade manual thoughtfully before preceding the upgrade process.

1

Preparation

* Upgrade process has to be started when the main unit is at HOME position.



- 01. Make sure that HOME LED is lit and the antenna is at HOME position
- 02. Connect [Antenna Controller PC] as the image provided



- 01. Visit SELFSAT website (http://www.selfsat.com) and click SNIPE category at main page
- 02. Scroll down to the bottom to find upgrade chapter
- 03. Click [S/W upgrade] of the model



- 04. Download related programs
 - [Upgrade program]
 - [Satellite data]

Download			
Model	Upgrade file	Upgrade manual	Europe Satellite data
SNIPE	📩 Dentical	👌 Inelial	📩 Overland
SNIPE PRO	📩 Devilad	📩 Berlat	📩 Seelist
SNIPE PRO MAX	📥 Dented	🕹 Dental	📩 lootial
SNIPE DOME	📩 Dentical	👌 Inelial	📩 Deckad
SNIPE2	📥 Devical	🛃 Dented	
SNIPE AIR	📥 Devriced	🕹 Dented	
SNIPE DOME AIR	📩 Devoted	👌 Inelia	👌 Dented
USB driver file	L brented		

- 05. Activate USB drive port
 - (1) Turn on the controller and wait for a while during PC recognize new driver itself (In general, PC recognizes new device(USB) and installs driver automatically)

(2) Open and right click [My computer] and	(E) (E) - ↑ (P) + This PC
then go to [Properties]	Fororbes: Pecktop Pektop Pektop Pektop Pektop Pektop
(a) Click [Device manager]	(c) → ↑ ★ ↓ Control Panel → System and Security → System
(or Storage manager) on the left top	Control Panel Home View basic information about your computer © Discust Mange: Windows & Bion © Advanced settings Windows & El Pre © System protection © 2013 Moresoft Corporation. All rights reserved. © Advanced system settings Ger more factures with a new edition of Windows System Processor Processor Quad Core Processor (up to 1.40Hg) 1.00 GHz Installed memory IRAMs 4.00 GE (2.64 GB usable) System Computer name Stella Full Computer name Stella Full Computer name Stella Computer name Stella Full Computer name Stella Windows attivation Windows attivation Windows is struted Stella Biology Windows is struted Stella Biology Computer name Stella Windows is struted Stella Biology Windows is struted Windows is struted Stella Biology Windows is struted Stella Biology Windows is struted
(a) Click left button of [Port(COM & I PT)] to see	File Action View Help
subfolders	 ← → □ □ □ □ □ □ □ 02 □ 02 0 0 0 0 0 0 0 0 0
⑤ Check if [USB Serial Port] is activated	> ▲ Audio inputs and outputs > ➡ Batteries > ➡ Bluetooth > ➡ Portable Devices > ➡ Portable Devices > ➡ Portable Devices > ➡ Print queues > ➡ Processors > ➡ Software devices > ➡ Universal Serial Bus controllers

- (6) If [USB Serial Port] is not activated, follow (i) or (ii)
 - i. Repeat to plug out USB cable and plug into PC till PC recognize USB properly (Reinforced security system of PC may block new USB)
 - ii. Download and install [USB drive file] from website and repeat $[05.] \sim 5]$



- 01. Run update program
 - ① Unzip downloaded [update program]
 - ② Go to [Support] folder

③ Run [Update.exe]



- 02. Turn on the controller and click [Scan Ports] (Port name may be different from example)
 - If [Invalid port] message is not shown, skip and jump to # 04
 - (2) If [Invalid port] message is shown, follow #03 below to change to the other port



① Go to [Device manager] and right click [Ports]





② Go to [Port Settings] and click [Advanced...] button at the bottom



③ Change the COM port number as lower and select [OK]

		Adva	nced Se	ettings fo	r COM	28		
Use FIFO b	ffers (requi	ves 16550	compatib	le UART)				-04
Select lower	settings to	correct o	nnection	problems.				
Select highe	r settings fo	r faster p	eformance	e.				611
Receive Buffer:	Low (1)				-Q	High (14)	(14)	~
Transmit Buffer:	Low (1)				-Q	Hgh (16)	(16)	
OM Port Number	CON	128		~				

- 04. Update satellite data
 - Open the data file (*.idt) (File name may be different from example image)



② Click [Connect] button and check [UPDATE] button becomes activated ③ Check the satellite and TP to update, and click [UPDATE]

(At least 1 TP has to be selected and satellite data should be updated one by one)

				C ASTRA 45					
Ľ	Open a Data File	DISCONNECT	UPDATE_		-	ND I	REO	SYMB	POL
Ŀ		2.1		POSITION	TP1	- 85	12073	27500	н
i			un se l	48	TP2	85	11766	27500	н
1			6.	רי	T TP3	85	12380	27500	н
						1			
	C ASTRA1			THOR					
		ND FRED	SYMB POL	The second second		ND F	PRED	SYMB	POL
	POSITION TP1	1 12552	22000 V	POSITION	TP1	1536	12265	28000	V
	192 T TP2	1 12604	22000 H	Loton L	- 10-1	15.36	12188	29000	V
	Г тр	1 12324	27500 ¥	@ AB3			819	28000	V
				1000			P		L.S.
	C			POSITIC	N D	7 TD1			
	Снотвер	ND FRED	SIME POL	roomo			10	SIME	POL
	POSITION [TTP:	318 12149	27600 V	3550		TP2	612	29950	V
	T 190	116 12658	23500 V	0000			100	2996/3	v
	100					TP3			<u> </u>
	I TPI	318 12597	275001 V				1972	29950	- V

- (4) The update process will be indicated as progress bar and GPS LED on the controller will be blinking while update
 (If GPS LED does not blink, check [Antenna Controller PC] are correctly connected)
- Uside Regard V 1.20

 Different Regard V 1.20

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 State Ports
 Open a Date File
 DESCONNECT
 UPDATE

 State: Update______
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 UPDATE

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 <th
- (5) Check [Update has been completed] (If controller power was disconnected or any of such things happened to stop the process while updating, please re-do the update process again)

	COM 5	•	57600	•	Sce	n Ports	Open	n Deta P	¥e.,	D	SCON	ECT	UPD	ATE]
									ш					ш	1
Status :	Update N	ND IF	completed	B PCL			_	10	1150	INS I			_	_	
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	IT 199	1070	12303 27	500 V			IT 193	1	12324	27500	v		1	TP0	Ĩ
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282	1 114	lumit.													

- 05. If you would like to update other satellites too, please check the satellite you want and do the same
 - ① Satellite data update can also be done manually by typing the values arbitrarily on the screen
 - (2) If you put incorrect data, ERROR message will be shown
 - ③ Correct data has been written but if [Data Format ERROR] is still shown, please put different data or contact service@selfsat.com
- 06. Lastly, connect the controller to the antenna and see the antenna searches the updated satellite properly



If the unit still cannot search satellites, please try upgrade process again or contact service@selfsat.com

SNIPE Upgrade (Controller type B)



NOTE

Please read this upgrade manual thoughtfully before preceding the upgrade process.

1

Preparation

* Upgrade process has to be started when the main unit is at HOME position.



- 01. Make sure that HOME LED is lit and the antenna is at HOME position
- 02. Connect [Antenna Controller PC] as the image provided



- 01. Visit SELFSAT website (http://www.selfsat.com) and click SNIPE category at main page
- 02. Scroll down to the bottom to find upgrade chapter
- 03. Click [S/W upgrade] of the model



- 04. Download related programs
 - [Upgrade program]
 - [Satellite data]

Download			
Model	Upgrade file	Upgrade manual	Europe Satellite data
SNIPE	📩 Dentical	👌 Inelial	📩 Overland
SNIPE PRO	📩 Devilad	📩 Inelial	📩 Seelist
SNIPE PRO MAX	📥 Dented	🕹 Dental	📩 lootial
SNIPE DOME	📩 Dentical	👌 Inelial	📩 Deckad
SNIPE2	📥 Devical	🛃 Dented	
SNIPE AIR	📥 Devriced	🕹 Dented	
SNIPE DOME AIR	📩 Devoted	👌 Inelia	👌 Dented
USB driver file	L brented		

- 05. Activate USB drive port
 - (1) Turn on the controller and wait for a while during PC recognize new driver itself (In general, PC recognizes new device(USB) and installs driver automatically)

(2) Open and right click [My computer] and	(E) (∃) - ↑ (♥ → This PC)
then go to [Properties]	Collapse Decoments Decoments
() Click [Device manager]	(e) ⊙ = ↑ ∰ > Control Panel > System and Security > System
(or Storage manager) on the left top	Control Panel Home Control Panel Home Control Panel Home Control Panel Home Control settings View basic information about your computer Windows & I ho Control settings Control settings Control settings Control features with a new edition of Windows Computer nemes Control features Computer nemes Setils Computer nemes Setils Windows stativation Windows is activated Read the Microsoft Software License Terms Product ID: 0031-00354-0160-0-A4200
(A) Click left button of [Port(COM & I PT)] to see	File Action View Help
subfolders	
 Subioiders Check if [USB Serial Port] is activated 	✓ Stella > ✓ Ø Bluetooth > ✓ Ø Databe Devices ✓ Portable Devices ✓ Ports (COM & LPT) 🐨 Ports (com extreme) > Ø Software devices > ✓ > ✓ Storage controllers > ✓ Storage controllers > ✓ Storage controllers > ✓ Universal Serial Bus controllers

- (6) If [USB Serial Port] is not activated, follow (i) or (ii)
 - i. Repeat to plug out USB cable and plug into PC till PC recognize USB properly (Reinforced security system of PC may block new USB)
 - ii. Download and install [USB drive file] from website and repeat $[05.] \sim 5]$



- 01. Run update program
 - ① Unzip downloaded [update program]
 - ② Go to [Support] folder

③ Run [Update.exe]



- 02. Turn on the controller and click [Scan Ports] (Port name may be different from example)
 - If [Invalid port] message is not shown, skip and jump to # 04
 - (2) If [Invalid port] message is shown, follow #03 below to change to the other port



(1) Go to [Device manager] and right click [Ports]





② Go to [Port Settings] and click [Advanced...] button at the bottom



③ Change the COM port number as lower and select [OK]

		Adva	nced Se	ettings fo	r COM	28		
Use FIFO b	ffers (requir	es 16550	compatib	le UART)				-04
Select lower	settings to	correct co	nnection	problems.				I
Select highe	r settings fo	r faster pe	eformance	e.				611
Receive Buffer:	Low (1)				-Q	High (14)	(14)	~
Transmit Buffer:	Low (1)				-Q	Hgh (16)	(16)	
OM Pot Number	CON	128		~				

- 04. Update satellite data
 - Open the data file (*.idt) (File name may be different from example image)



② Click [Connect] button and check
 [UPDATE] button becomes activated

③ Check the satellite and TP to update, and click [UPDATE]

(At least 1 TP has to be selected and satellite data should be updated one by one)

				C ASTRA 4	\$				
Open e Dr	sta File	DISCONNECT	UPDATE		-	ND F	REO 1	SYMB	POL
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C ASTR	A1			THOR					
		ND FRED	SYMB POL			ND F	REO 1	BMY	POL
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192	TTP2	1 12604	22000 H	Coton	(T 100	1536	12188	29000	V
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190	T TP2	116 12658	27500 V	0000	· ·		10.0	2995/2	V
130		218 1220	+1200	1		TP3	10	+1110	<u> </u>
	TP3	318 12597	27500 V	13			1972	29950	V

(4) The update process will be indicated as progress bar and GPS LED on the controller will be blinking while update
 (If GPS LED does not blink, check [Antenna - Controller - PC] are correctly connected)

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-								
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282 17 192	32 12400 27500 V	130	TPE	319 12558	27500 V	3550	F TPT	
F 193	32 11934 27500 V	harrised.	E 1793	316 12597	27500 V	hanned,	eqt 🗐	Ì
AUTEAN		C ANTRA M				C MEDICA		

(5) Check [Update has been completed] (If controller power was disconnected or any of such things happened to stop the process while updating, please re-do the update process again)

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Status : Update h	as been completed.							
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POSITION (TP1	32 12400 27500 V	150	1.165	319 12558	27500 Y 1	3555	11.5	

- 05. If you would like to update other satellites too, please check the satellite you want and do the same
 - ① Satellite data update can also be done manually by typing the values arbitrarily on the screen
 - (2) If you put incorrect data, ERROR message will be shown
 - (3) Correct data has been written but if [Data Format ERROR] is still shown, please put different data or contact service@selfsat.com
- 06. Lastly, connect the controller to the antenna and see the antenna searches the updated satellite properly



If the unit still cannot search satellites, please try upgrade process again or contact service@selfsat.com

NOTE

Please read this upgrade manual thoughtfully before preceding the upgrade process.



Prepare a USB

* CBI type USB is not supported

- 01. Plug a USB into a PC and right click plugged USB folder
- 02. Go to "Properties" to check if "File system" is "FAT32"
- 03. If not, right click "USB folder" again and go to "Format"
- 04. Select "FTA32" at file system category and then apply with "Start" button



Download the upgrade program

- 01. Visit SELFSAT website (http://www.selfsat.com) and click SNIPE category at main page
- 02. Scroll down to the bottom to find upgrade chapter
- 03. Click [S/W upgrade] of the model

04. Download [Upgrade program]



- 05. Unzip downloaded upgrade program
- 06. Copy "FWUPDATE.BIN" file and paste into the USB root folder (not belong to the other folder)



- * To upgrade firmware, only controller with power is required. Disconnection the controller from the antenna unit is recommended.
- 01. Prepare and make sure the controller is being turned off before upgrade process is started
- 02. Plug the USB into USB port on the side of controller
- 03. Press and hold [TUNE + POWER] buttons together to turn on (If POWER button is pressed first, upgrade mode will not be started)
- 04. The controller is in upgrade mode and "USB connected, F/W Upgrade Mode" is shown on LCD
- 05. Upgrade process takes no less than 5 seconds
- 06. "Upgrade Finished_SET_OK" is shown when the process is completed
- 07. Lastly, connect the controller to the unit and see it searches the upgraded satellite properly



If the unit still cannot search satellites, please try upgrade process again or contact <u>service@selfsat.com</u>



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