

OVERVIEW



- RPSMA: RP-SMA socket for connection to external antenna (default is 3dBi Rubber duck antenna)
- BAT: Connect to charger to charge internal battery.
- ON/OFF: Toggle to turn unit on and off.
- F1 Main function press to select function display
- F2 Subfunction press to select subfunctions

NOTE: Basestation-2 has an internal break sensor intrusion detector, opening receiver box voids warranty.

POSITION

Power on the unit, by default position is shown in Decimal degrees. When 3D lock is established, the altitude is shown (in Feet) and alternates between an airplane icon and Ft symbol. When 3D lock is lost, the characters "------" are shown.

SATELLİTES

Pressing F1 once displays the Satellites available to the remote receiver as well as their relative signal strength (using a 2 column bar-graph to depict a 1-10 value). Two digits are used for each Satellite and the SVN is shown in hexadecimal above the signal strength indication (to constrain SVN numbers to 2 columns). Currently active US satellites are listed below:

	Satellite		Freq.		Last Clock Swap		
Basestation-1 DEC2HEX(SVN)	PRN/SVN	Plane	Std #	Block	Launch Date	(or Set Healthy)	Other Info
	+	+-	+	+	+	+	
3F	01/63	D2	Cs3	IIF-2	16 July 2011		
3D	02/61	D1	Rbl	IIR	06 November 2004	27 April 2008	
21	03/33	C2	Cs4	IIA	27 March 1996	01 January 2007	
22	04/34	D4	Rbl	IIA	26 October 1993	14 September 1998	
32	05/50	ЕЗ	Rb1	IIR-M8	17 August 2009	27 August 2009	
24	06/36	C5	Rb1	IIA	10 March 1994	19 March 2004	
30	07/48	A4	Rb3	IIR-M6	15 March 2008	24 March 2008	
26	08/38	A3	Cs4	IIA	06 November 1997	16 November 2009	
27	09/39	Al	Cs4	IIA	26 June 1993	24 December 2005	
28	10/40	ЕЗ	Cs3	IIA	17 July 1996	25 March 2008	
2E	11/46	D2(F)	Rb1	IIR	07 October 1999	21 December 1999	
3A	12/58	В4	Rb3	IIR-M3	17 November 2006	13 December 2006	
2B	13/43	FЗ	Rb1	IIR	23 July 1997	26 September 1997	
29	14/41	Fl	Rb1	IIR	10 November 2000	15 November 2000	
37	15/55	F2	Rb3	IIR-M4	17 October 2007	31 October 2007	
38	16/56	В1	Rb3	IIR	29 January 2003	18 February 2003	
35	17/53	C4	Rb3	IIR-M1	25 September 2005	16 December 2005	
36	18/54	E4	Rb1	IIR	30 January 2001	07 February 2001	
3в	19/59	C3	Rb3	IIR	20 March 2004	05 April 2004	
33	20/51	E1	Rb1	IIR	10 May 2000	17 May 2000	
2 D	21/45	D3	Rb3	IIR	31 March 2003	11 April 2003	
2 F	22/47	E2	Rb3	IIR	21 December 2003	12 January 2004	
3C	23/60	F4	Rb2	IIR	23 June 2004	09 July 2004	

18	24/24	D5	Cs4	IIA	03 July 1991	07 September 2000					
3E	25/62	В2	Rb1	IIF-1	28 May 2010	27 August 2010	Clock swap, 12 July 2010,				
							from Cs3 to Rb1				
1A	26/26	F5	Rb1	IIA	07 July 1992	10 March 1998					
1B	27/27	A6	Cs4	IIA	09 September 1992	20 May 2005	Decommissioned 10 August 2011				
2C	28/44	в3	Rb2	IIR	16 July 2000	10 August 2000					
39	29/57	C1	Rb3	IIR-M5	20 December 2007	02 January 2008					
23	30/35	в5	RB1	IIA		16 August 2011	Re-set healthy				
							note NANU 2011061				
34	31/52	A2	Rb3	IIR-M2	25 September 2006	12 October 2006					
17	32/23	E5	Rb2	IIA	26 November 1990	26 February 2008	Old PRN23/SVN23				
							Reinstated on 27 June 2007				
							note NANU 2007081				
	UFN - until further notice										
	NET - No Earlier Than										
	TBD - To Be Determined										

The list is updated and maintained by the NGA GPS Division, <u>http://earth-info.nga.mil/GandG/sathtml/satinfo2.html</u>. WAAS, EGNOS, MSAS, GAGAN, or GLONASS transponders bit in the above list may be used and contribute to the position fix.

Local and remote temperature is displayed in Fahrenheit and Celcius when button F1 is pressed three times.

SYSTEM UPTIME

System uptime in HH:MM format is displayed when button F2 is pressed once.

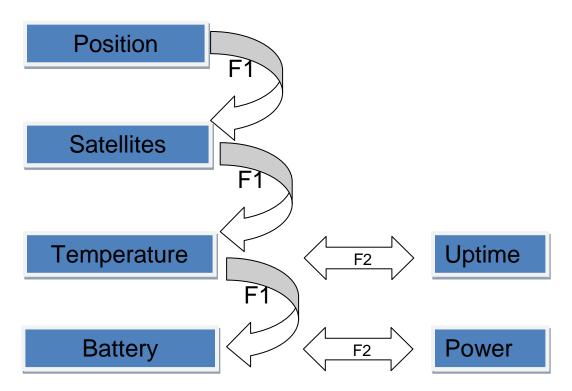
BATTERY (LOCAL/REMOTE)

Local and remote battery voltage and current consumption is shown when button F1 is pressed four times.

CURRENT (LOCAL/REMOTE)

Power consumption and battery resistance is shown when button F2 is pressed.

MENU FLOWCHART



BVILESA

The Basestation-2 includes a 9.6V 2500mAh battery pack. In normal operation, this battery should provide for up to 8 hours or longer use. Note that discharging the battery pack completely is not recommended.

If the battery is completely discharged, the smart charger may not detect any voltage and therefore not charge the battery. If this problem occurs, power off the unit, and using an external 9V battery, apply voltage to the base-station connector for 1-2 seconds to "jump-start" the battery. Now reconnect the charger and check whether the charging LED appears. Repeat this process until your smart charger recognizes the battery. NOTE: do NOT leave the 9V battery connected for more than a few seconds per try to avoid damage to the battery.