

RED BOOK

DEVICE ENCODING DATASHEET

Device Name : ASTRA nRF Modem 2.4GHz
Model ID : UGV 369-B
Lock Frequency : 160.00 - 164.00 MHz
Radio Station : UGV SAR 160
Transmission Frequency : 2.3 - 2.5 GHz

Console code	Cheat code [HEX]	Binary encoding [BIN]	Access Key [BIN]	Output
w	B0A5	1011000010100101	1011	UGV forward
a	B0C6	1011000011000110	1101	UGV left
s	B0A7	1011000010100111	1010	UGV backward
d	B0C8	1011000011001000	1001	UGV right
5	A0B9	1010000010111001	0011	Arm open
0	A1C0	1010000111000000	1011	Arm close
8	A1A1	1010000110100001	0101	Palm up
2	A1B2	1010000110110010	0110	Palm down
4	A1C3	1010000111000011	0001	Wrist X axis
6	A1C4	1010000111000100	0100	Wrist Y axis
+	A1B5	1010000110110101	1111	Docking
-	A1A6	1010000110100110	1110	Undocking
n	B1B7	1011000110110111	0100	Backlight
m	B1C8	1011000111001000	0111	Exhaust
x	B2A6	1011001010100110	0010	UGV Emergency stop
i	C1A9	1100000110101001	1000	Swarm forward
j	C2B0	1100001010110000	1101	Swarm left
l	C2C1	1100001011000001	1011	Swarm right



k	C2A2	1100001010100010	0111	Swarm backward
f	C2B3	1100001010110011	1011	Self destruct
g	C2A4	1100001010100100	0010	Retreat
h	C2C5	1100001011000101	0000	Attack
b	C2B7	1100001010110111	0101	Swarm Emergency Stop

