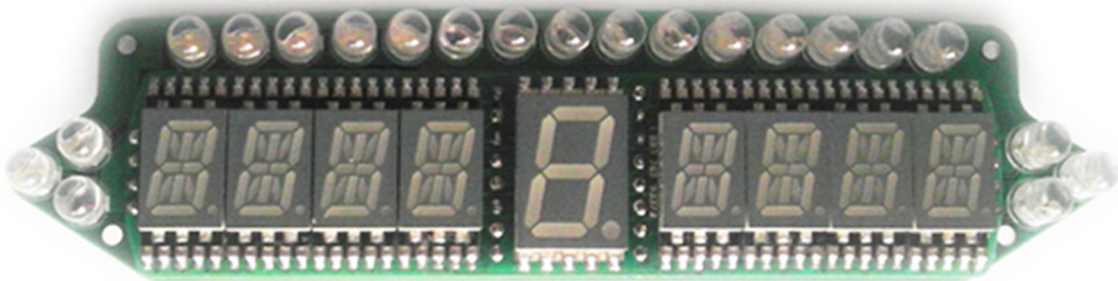


SIMR-F1

USER MANUAL



Rev D.









Connector 1

PIN	COLOR	BASIC FUNCTION	OPTIONAL
1	 Brown	GND	
2	 Red	Button 1	Rotary Encoder 1
3	 Orange	Button 2	
4	 Yellow	Button 3	Rotary Encoder 2
5	 Green	Button 4	
6	 Blue	Button 5	Rotary Encoder 3
7	 Violet	Button 6	
8	 Gray	Button 7	Rotary Encoder 4
9	 White	Button 8	
10	 Black	Button 9	Rotary Encoder 5
11	 Brown	Button 10	
12	 Red	Button 11	Rotary Encoder 6
13	 Orange	Button 12	
14	 Yellow	Button 13	Rotary Encoder 7
15	 Green	Button 14	
16	 Blue	Button 15	Rotary Encoder 8
17	 Violet	Button 16	
18	 Gray	+5V	





Connector 2

PIN	COLOR	BASIC FUNCTION	OPTIONAL
1	 Brown	GND	
2	 Red	Button 17	Rotary Encoder 9
3	 Orange	Button 18	
4	 Yellow	Button 19	Rotary Encoder 10
5	 Green	Button 20	
6	 Blue	Button 21	Rotary Encoder 11
7	 Violet	Button 22	
8	 Gray	Button 23	Rotary Encoder 12
9	 White	Button 24	
10	 Black	Button 25	Rotary Encoder 13
11	 Brown	Button 26	
12	 Red	Button 27	Rotary Encoder 14
13	 Orange	Button 28	
14	 Yellow	Button 29	Rotary Encoder 15
15	 Green	Button 30	
16	 Blue	Button 31	Rotary Encoder 16
17	 Violet	Button 32	
18	 Gray	+5V	

Connector 3

PIN	COLOR	BASIC FUNCTION	OPTIONAL
1	 Brown	GND	
2	 Red	Analog Input 1	
3	 Orange	Analog Input 2	
4	 Yellow	Rotary Switch 1	
5	 Green	Rotary Switch 2	
6	 Blue	Rotary Switch 3	
7	 Violet	Rotary Switch 4	
8	 Gray	Rotary Switch 5	
9	 White	Rotary Switch 6	
10	 Black	Rotary Switch 7	
11	 Brown	Rotary Switch 8	
12	 Red	Rotary Switch 9	
13	 Orange	External LED 1	
14	 Yellow	External LED 2	
15	 Green	External LED 3	
16	 Blue	External LED 4	
17	 Violet	External LED 5	
18	 Gray	+5V	

Alternative USB Connector

PIN	COLOR	NAME	STANDARD USB WIRE
1	 Red	VCC	RED
2	 Brown	D -	WHITE
3	 Black	D +	GREEN
4	 White	GND	BLACK