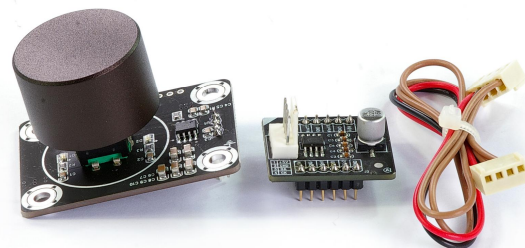


Audio Receiver Series

Electric Digital Volume Control Kit (AA-AA11117)



Key Features:

- Specially Designed for Audio Amplifier Board
- 20cm Cable, Flexible Connection and Easy Installation
- Single-end Audio Signal Input and Output
- LED Status Indicator
- DIP alike module for plug in play
- Size:
Volume Control Board: 1.1"X0.9"
Decode Board: 2"X1.5"X1.7"

Electrical Specifications

Specifications typical @ +25°C, Powered by 5V DC, unless otherwise noted. Specifications subject to change without notice.

Parameter	Conditions	Min.	Typ.	Max.	Units
Power Supply	-	-	5	-	VDC
Quiescent Current	-	-	10	-	mA
THD	F=1kHz, Vo=0.5Vrms, A _{TT} =0	-	0.01	0.05	%
Maximum Input Voltage	THD=1%, A _{TT} =-6dB	1.5	1.7	-	Vrms
Maximum Output Voltage	THD=1%	0.8	1.3	-	Vrms
Operating Temperature	-	-	20	50	°C
Storage Temperature	-	-20	20	105	°C
Thermal Temperature	-	-	150	-	°C

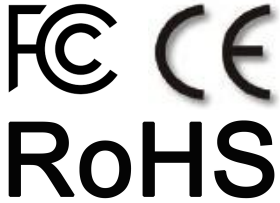
Model Selection Guide

Model Number	Rating Output Power	Model Number	Rating Output Power	Model Number	Rating Output Power
AA-AB32971	2 X 100Watt	AA-AB32196	2 X 300Watt	AA-AB31315	1 X 400Watt
AA-AB32281	2 X 200Watt	AA-AB32314	2 X 400Watt	AA-AB31511	1 X 500Watt
AA-AB32195	2 X 300Watt	AA-AB32514	2 X 500Watt	AA-AB31243	1 X 600Watt
AA-AB32313	2 X 400Watt	AA-AB31282	1 X 200Watt	AA-AB31316	1 X 400Watt
AA-AB32512	2 X 500Watt	AA-AB31194	1 X 300Watt	AA-AB31513	1 X 500Watt
AA-AB31242	1 X 600Watt	AA-AB31321	1 X 800Watt	AA-AB31241	1 X 600Watt

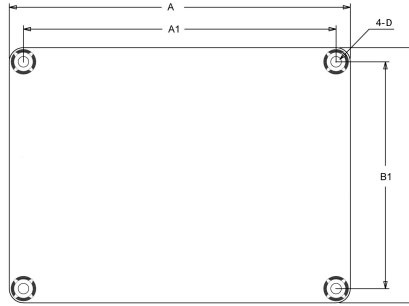
Environmental Conditions:

- Humidity: 5-85% RH Non-condensing
- Operating Temperature Ambient: 0°C to +55°C
- Storage Temperature: -40°C to 85°C

All these boards are per-tested with our power supply solution. For all customers who need those information, please contact our distributor or Sure Electronics. RoHS compliant will need an MOQ of 1000pcs per order.



Mechanical Dimensions

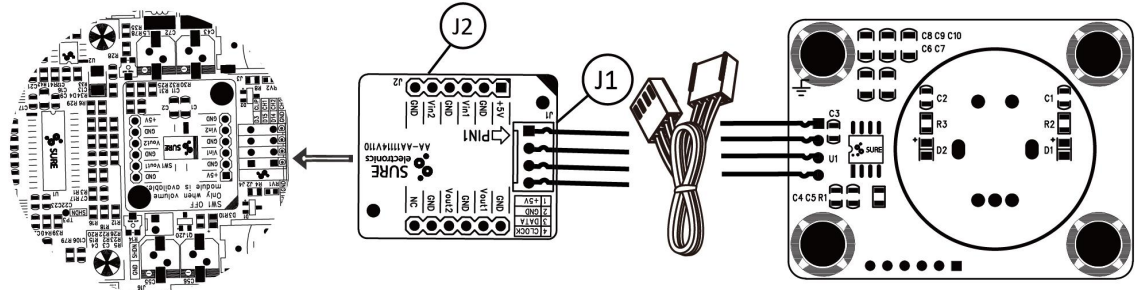


Dimension	A (inch/mm)	A1 (inch/mm)	B (inch/mm)	B1 (inch/mm)	D (inch/mm)
Decode Board	2/	1.7/	1.5/	1.2/	0.14/
Volume Control Board	50.8	43.2	38.1	30.5	3.6
	1.1/	-	0.9/	-	-
	27.9		22.9		

Notes:

- All dimensions are typical in inches (mm)
- Tolerance x.xx = ±0.02 (±0.50)

Connections



Rotary Encoder Connector:

- J1 4Pin 2510 Connector

Pin	Function	Pin	Function
1	+5V	3	DATA
2	GND	4	CLOCK

Volume Control Board Socket

- J2

Pin	Function	Pin	Function
1,12	+5V,NC	3,5	Vin1,Vin2
2,4,6,7,9,11	GND	8,10	Vout1,Vout2



Sure Electronics
Have Fun With Us!