

Audio Receiver Series

Bluetooth V4.0 Audio Receiver - Inspiration (AA-AS41114)



Key Features:

- APT-X Decoding Algorithm
- Wide Frequency Range
- Single-end Audio Signal Output
- LED Status Indicator
- External Power and Signal Output Connector
- Anti-reverse Function
- Audio output distortion degree of 0.5% or less
- Size:3"X2"

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
Output Impedance	-	-	0.5	1	Ω
Maximum Out Level	RL=32 Ω , THD+N=0.1%	1.5	1.6	1.7	VRMS
Quiescent Current	-	-	10	-	mA
Maximum Current	-	-	0.5	-	A
BT Wireless Range	Class2	-	-	10	M
Frequency Response	\pm 3dB	20	-	20K	Hz
Operating Temperature	-	-	20	50	$^{\circ}$ C
Storage Temperature	-	-20	20	105	$^{\circ}$ C

Model Selection Guide

Model Number	Input						Output				Dimension
	BT	I2S	S/PDIF	USB Codec	Isolated Analog	High Level Speaker	RCA Analog	3.5mm Analog	I2S	S/PDIF	
AA-AA21111				Y			Y	Y		Y	3"X2"#1
AA-AB41133			Y						Y	Y	3.6"X2.7"#2
AA-AB41131		Y					Y	Y			3"X2"
AA-AB41132	Y						Y	Y			3"X2"
AA-AB41136	Y						Y	Y			3"X2"
AA-AA11422					Y	Y	Y				3.6"X2.7"

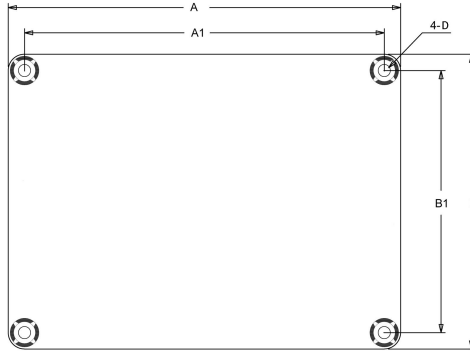
Environmental Conditions:

- 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.

FC CE
RoHS

Mechanical Dimensions



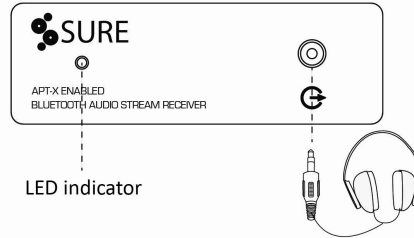
Dimension	A (inch/mm)	A1 (inch/mm)	B (inch/mm)	B1 (inch/mm)	D (inch/mm)
#1	3.0/ 76.2	2.7/ 68.6	2.0/ 50.8	1.7/ 43.2	0.14/ 3.6
#2	3.6/ 100.3	3.3/ 83.8	2.7/ 68.6	2.4/ 61.0	0.14/ 3.6

Notes:

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

Connections

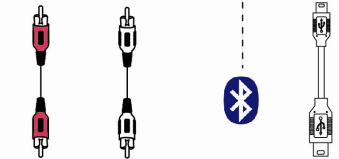
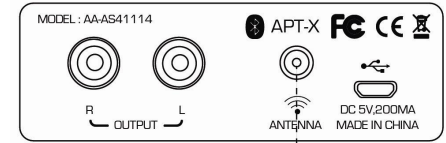
Front Panel



LED indicator

Indication	Description
Solid Blue	Paired with your Bluetooth Music Receiver.
Blinks Blue	Blinks On/Off when not paired to your Bluetooth Music Receiver.
OFF	Turns off when the AC/DC Adapter is not connected or plug in.

Rear Panel



Audio Amplifier

USB Adapter
Only for power supply
No data transfer function

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