Clarion

DTX1001T

6 CHANNEL DSP AMPLIFIER

Manual

Please read this manual carefully before using this product and keep it for reference in future

Precautions

1. To prevent electrical short circuits, do not place the equipment in rainy or damp places.
2. If water or other liquids enter the machine, the power should be immediately cut off, and professional maintenance personnel should be asked to inspect and repair it to avoid accidents.
3. There is no place inside the machine that users can repair. Please do not open the hood and seek professional assistance to open and repair it.
4. During the operation of the machine, heat dissipation may accumulate. Remember not to touch the machine with your hands to avoid burns.

Common Troubleshooting

Before the machine is powered on, please carefully check whether the connection cable is normal, and ensure that all connectors are properly connected.

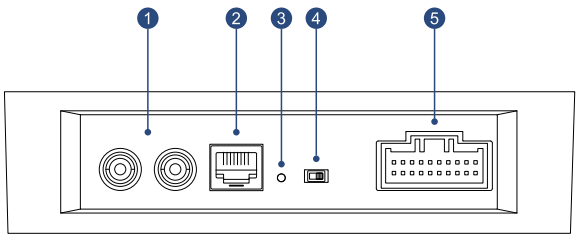
Common troubleshooting methods:

Failure occurs: Before sending it for repair, please refer to the below table to find the cause. → **Cannot fix after checking :** Please restore the machine to factory settings. → **If still cannot be repaired:** Please consult the manufacturer for help.

Troubleshooting Methods:

No.	Fault Phenomenon	Reasons and Solutions
1	No Power	1. Check the power connection 2. Check the start-up mode connection
2	No Sound	1. Check whether it is in mute mode 2. Check whether the signal input channel is selected correctly
3	Unable to connect USB	1. Check the USB connection 2. Check whether the“HD-compliant device"has been installed

Introduction to Machine Connector



1. RCA output connector
2. PC/USB External device connector
3. Protection/Power indicator
4. Machine start mode switch
5. High-level input /output and power connector

RR+	RR-	RL+	RL-	FR-	FL-	RL-	RR-	GND	+12V/ ACC
SPEAKER OUT				SPEAKER IN				REM OUT	
FL+	FL-	FR+	FR-	FR+	FL+	RL+	RR+		

Product Parameter

Technical specifications

DSP chip	AK7738VQ，TDA7851L
Sampling rate	192kHz/24Bit
Dynamic Range (RCA Input)	≥102dB
S/N (RCA Input)	≥98dB
T.H.D.	≤0.03%
Amplifier Type	Class AB
Freq.Response	20Hz~20KHz
Input impedance	high level:4.7Ω
Peak Power	4CHx50w
Input Sensitivity	high level:8~28Vpp
Ambient Temperature	-40~60℃
Working Voltage	DC 9V~17V
REM Input	High-level start (FL+/FL-), ACC start optional
REM Output	+12V starting voltage output (0.1A)
Standby Power	≤0.1W
Product specifications	145(L)x145(W)x36(H)mm

Functional parameters

Input	4-channel high level, external Bluetooth input
Output	4-channel high, 2-channel low
Output Signal Gain	Gain range:mute,-60dB to 6dB
Output Signal Equalizer	31 band EQ: 1.Frequency range: 20Hz~20kHz, resolution 1Hz 2.Q value:0.429~16.052 3.Gain: -20.0dB~+20.0dB, resolution 0.1dB
Output Signal FrequencyDivider	Each channel with a multi-order high-low pass independent filter. 1. Professional filter types: Link-Riley, Butterworth and Bessel 2. Filter crossover: 20Hz~20kHz, resolution 1Hz 3. Filter slope: OFF, 6dB/Oct to 48dB/Oct
Output Phase & Delay	Each channel can be adjusted for phase and delay. Phase: 0°/180 Delay: 0.000~20.000ms, 0~692cm, 0~272 inch

用户手册尺寸：210x145mm