

Realtek ALC888S 7.1+2 Channel HD Audio peripheral board, RoHS

AC-KIT-888S

Quick Installation Guide

Version 1.0

February 2, 2021

Package List

AC-KIT-888S package includes the following items:

- 1 x AC-KIT-888S audio peripheral board
- 1 x Audio cable
- 1 x QIG



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Features

- Realtek ALC888S HD Audio Codec IC supported
- Five audio jacks for 7.1+2 Channel High Definition audio input/output and microphone
- High performance 7.1+2 Channel High Definition Audio board provides 7.1 sound playback and multiple streaming through the front panel stereo outputs
- Digital to Analog Converter (DAC) with 97dB signal to noise ratio (SNR)
- Analog to Digital Converter (ADC) with 90dB signal to noise ratio (SNR)
- All the Digital to Analog Converter (DAC) supports 44.1K/48k/96K/192kHz sample rate
- All the Analog to Digital Converter (ADC) supports 44.1K/48K/96KHz sample rate
- Driver supports Windows and Linux

Ordering Information

- **AC-KIT-888S-R10:**
Realtek ALC888S 7.1+2 channel HD audio peripheral board
- **32107-001100-100-RS:**
Audio cable, 200mm, p=2.0

All the drivers and utilities for the AC-KIT-888S are available on IEI Resource Download Center. Type the model name and press Enter to find all the relevant software, utilities, and documentation. To install software from the downloaded ISO file, mount the file as a virtual drive to view its content.

IEI Resource Download Center

<https://download.ieiworld.com>



Jumpers Setting and Connectors

LABEL	FUNCTION
J1	AVDD power setting
J2	DVDD power setting
HDA-1	HDA connector
MIC	Mic-in connector
IN	Line-in connector
OUT	Front-out connector
REAR	Rear-out connector
C-SUB	Center/Subwoofer connector
CDIN1	CD-in connector
FRONT-PANEL	Front panel connector

J1: AVDD Power Setting	
PIN NO.	DESCRIPTION
Short 1-2	Select AVDD power by +5V
Short 2-3 (default)	Select AVDD power by +12V to +5V

J2: DVDD Power Setting	
PIN NO.	DESCRIPTION
Short 1-2	Select DVDD power by +1.5V
Short 2-3 (default)	Select DVDD power by +3V

CDIN1: CD-IN Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	CD IN LEFT	2	CD-GND
3	CD-GND	4	CD IN RIGHT

HAD-1: HDA Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	HDA_SYNC	2	HDA_BITCLK
3	HDA_SDOUT	4	HDA_PCBEEP
5	HDA_SDIN	6	HDA_RST#
7	HDA_VCC	8	HDA_GND
9	HDA_+12V	10	HDA_GND

FRONT-PANEL: Front Panel Connector			
PIN NO.	DESCRIPTION	PIN NO.	DESCRIPTION
1	MIC2_LEFT	2	GND
3	MIC2_RIGHT	4	Presence#
5	LINE2_RIGHT	6	MIC2-JD
7	Sense	8	Key
9	LINE2_LEFT	10	LINE2-JD

External Audio Jacks	
PIN NO.	DESCRIPTION
MIC (Pink)	Mic-in connector
IN (Blue)	Line-in connector
OUT (Green)	Front-out connector
REAR (Black)	Rear-out connector
C-SUB (Orange)	Center / Subwoofer connector (left: center out; right: subwoofer out)

Board Layout: Jumper and Connector Locations (Unit: mm)

