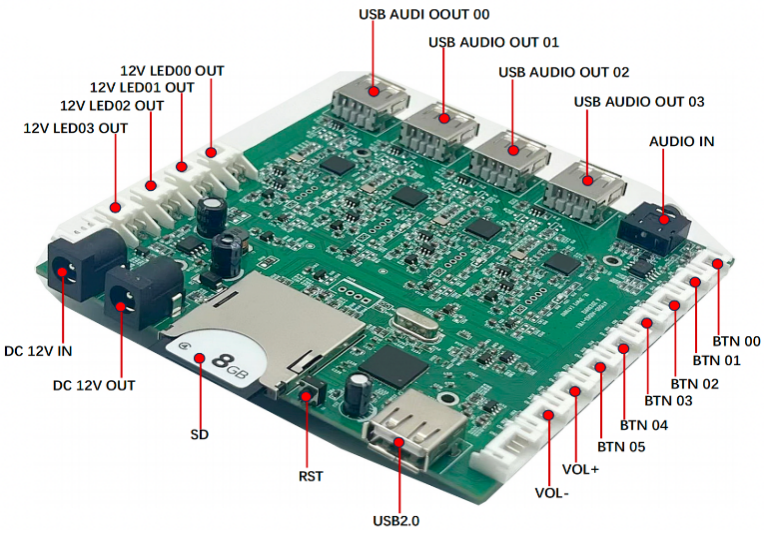
Name **USB C Headphone Retail Audio Player 24-Bit 192KHz With LED Lighting Control**

Model No. A74HC4

Interface



Features

Special Made For Premium USB-C Headphone & Speaker Demonstration, No Need Type-C Adapters
Supports 4-Channel USB C/A Digital Audio;
Support Customer's Audio Line-in Via Mobile Device Such Smartphone, iPod/iTouch/iPhone/iPad;
Supports LED retail lighting control for 4 demo items, based on user interactivity;
Text File based play control configurator for custom programing by retail integrators

Tech Spec

DAC Spec: 24-bit, 192KHz (wav), 48KHz (mp3);
File formats: mp3, wav, flac;
File storage media: SD card (TF) ,USB 2.0, format: FAT 32;
Interface: USB A /C x4, DC in 12V x1, DC out 12V x1; SD card x1, USB 2.0x1, GPIO 4-pin Molex Port x 9 (music selection and volume); LED lighting control molex port x4;

Accoustic

>Frequency response: 20 – 20KHz (+/- 0.609dB), ;
>Measured Total Harmonic Distortion: 0.07% ;
>SNR:81.5dB;
>Measured Output: 227mV / 6.49wW ;
>Measured Output dB levels(dBu): -10.6dbu@ 1KHz

Description

A74HC4 is a versatile retail solution to fit in retail environments where USB C headphones & headsets requires direct connection with type A or type-C port to demonstrate high resolution 24-bit audio experience.

Like all our other audio players in our headphone demonstrator product family, it is intuitive with a simple playlist of audio files plus a custom programing play control configurator to let retail integrator DIY custom setup: playlist, volume increments, default volume level, timeout, LED lighting interactivity, etc.

Headphone & speaker retail display installation will be much more simplified with USB port direct connection, the type A and type C jacks are interchangeable from our board circuit, so 3.5mm to USB or type A-to-C adapters are of no need.

Our premium 24-bit 192KHz DAC would be a perfect match to even the most famous headphone

User Flow (the default, and the most popular one)

>Power on auto loop or standby or play a single file once then standby; Default Output to a pre-designated port saying 1# USB port or other..

>Press Headphone Selection Button to Listen And Compare Demo Headphones, Press it again to go to the next track, while one button is engaged, press the other will switch the audio to the other headphone, the sound will be continued from where it is switched.

>Press Volume control buttons to adjust the volume levels.
>For every X seconds (X= timeout settings in the text file configurator), if no user presses any button, the system will timeout to the default mode.

> Depending on engagement status (engaged, disengaged,attraction),Push button's patterns can be constantly lighted, "breathingly" increasing brightness every 2 seconds from low to high, standard flashing,Light Off; Default LED lighting color is white.

When a demo item is selected, the shelf LED lighting will be turned on, and others' LED lighting will be turned off; When the demo is timed out, the lighted LED will be turned off automatically until the next engagement.

Retail Installation Q & A

>Q: How long is the led lighting strip per demo speaker ?
A: The default current of each LED port is 12V 0.5A (up to 0.7A), it depends on the quantity of LED chips on the strip, always use the LED strip with the current limits stated; Meanwhie, if this limit is not enough, a separated power distributor is needed.

>Q: Does the USB port support fast charging ?
A: Yes, it supports , however, not all USB C audio products are made equally, some speakers require high power current up to 2.2A , for these kind of USB speakers, special treatment and a separated USB power distributor is required.

>Q:One speaker has some "clicking" background noise when it is in standby, how can we erase it ?
A:This kind of noise is due to the USB power interference, to erase it, a dedicated linar DC power distributor is required.