

# PALAB

*Mastre Serie*

CANARY DA-1 D/A CONVERTERS  
USER'S MANUAL

V 1.0

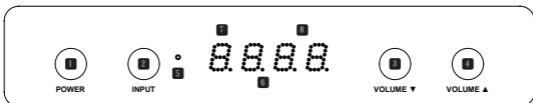
**DSD**  
Direct Stream Digital

 **MQA**

**DXD**  
Digital eXtreme Definition

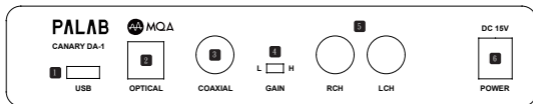
## Quick Start Guide

### Front Panel View




1. POWER BUTTON
2. DIGITAL INPUTS SWITCHING
3. VOLUME DOWN
4. VOLUME UP
5. DIGITAL FORMAT INDICATOR
6. STANDBY LED
7. INPUT SOURCE
8. VOLUME LEVEL

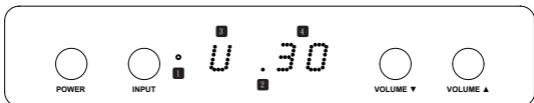
### Rear Panel View



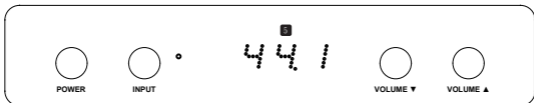
1. USB INPUT (TYPE-C).
2. OPTICAL DIGITAL INPUT.

3. COAXIAL DIGITAL INPUT.
  4. ANALOG OUTPUT GAIN SWITCHING ( L : LOW / H : HIGH ).
  5. RCA UNBALANCED ANALOG OUTPUT.
  6. POWER INPUT 
- Positive polarity

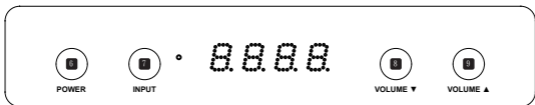
### Front Panel Functions



1. Not lit : PCM  
 Yellow : DSD  
 Blue : MQA Studio  
 Green : MQA  
 Magenta : MQB
2. Lights up red to indicate standby mode.
3. Input Source - U : USB O : OPTICAL C : COAXIAL
4. Volume Level - Range from 0 to 99.

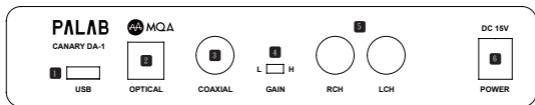


5. Show locked sample rate, Automatically updates when sample rate changes.



6. Briefly press to turn on or off the unit.
7. Briefly press to switch input source.
8. Press and hold for continuous decreasing.
9. Press and hold for continuous increasing.

#### Rear Panel Functions



1. USB INPUT ( TYPE-C ) - Connect to PC / Smart Phone or Pad.
2. OPTICAL INPUT - Connect to CD/DVD or other devices with optical output in PCM format.
3. COAXIAL INPUT - Connect to CD/DVD or other devices with coaxial output in PCM format.
4. Analog Output Gain Switching, L ( 2Vrms ) / H ( 4Vrms ).
5. Unbalanced Analog Output, Output gain is controlled by GAIN switch.
6. Power Input, Do not use adapters not provided by PALAB.

## MQA - Master Quality Authenticated

The DAC-M1 includes MQA technology, which enables you to play back MQA audio files and streams, delivering the sound of the original master recording. The front panel display indicates if the MQA stream is detected. 'MQA' or 'MQA Studio' indicates that the product is decoding and playing an MQA stream or file, and denotes provenance to ensure that the sound is identical to that of the source material. "MQA Studio" indicates it is playing an MQA Studio file, which has either been approved in the studio by the artist/producer or has been verified by the copyright owner. For more about MQA please visit: <http://www.mqa.co.uk/>

'MQA and the Sound Wave Device are registered trade marks of MQA Limited.© 2016'

### Technical Specifications

#### Inputs :

USB : Type - C Hi-Speed, Windows OS : data stream up to 384 KHz/24Bit and Native DSD 256.

Type - C Hi-Speed, Mac / Lunix OS : data stream up to 384 KHz/24Bit and DOP 64 and DOP 128.

OPTICAL : Supports PCM 44.1KHz ~ 192KHz/24Bit and DOP 64.

COAXIAL : Supports PCM 44.1KHz ~ 192KHz/24Bit and DOP 64.

#### Output :

RCA unbalanced outputs : 4 Vrms or 2 Vrms.

Output Impedance : < 50 Ohm.

Frequency response : 20Hz - 20KHz /  $\pm 0.3$  dB.

SNR : > 110 dB.

THD+N : < 0.0005%.

## GENERAL

Power Supply : DC 15V / 3A, Positive polarity.

Dimensions [W x H x D] : 250mm x 59mm x 310mm

Weight : 320g

Power consumption: Standby under 0.7W

Package content

The DA-1 ( Black )

DC 15V / 3A Adapter

Power cord

RCA cable

Note :

Design and specifications are subject to change without notice.

Illustrations in this manual might differ slightly from production models.

## PALAB Warranty Information Form

Name : \_\_\_\_\_

Telephone Number : \_\_\_\_\_

Address : \_\_\_\_\_  
\_\_\_\_\_

Purchase Date : \_\_\_\_ / \_\_\_\_ / \_\_\_\_ (DD/MM/YYYY)

Dealer's Name : \_\_\_\_\_

Serial Number : \_\_\_\_\_

### Important!

Please store this card in a secured location for future reference. PALAB reserves the right to request this document before accepting repair requests. This does not affect or limit your mandatory statutory rights.

# PALAB



<https://www.palabaudio.com>