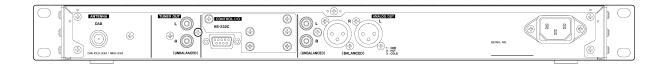


May, 2018

# Product Spec Sheet CD/MEMORY PLAYER CD-400U DAB





# ■ Specifications

# Ratings

#### Supported media

CD, CD-R\* (only CD-DA format), CD-RW (12 cm, ISO 9660 LEVEL 1/2/JOLIET) (multi-session and CD text not supported)

SD cards\* (512 MB - 2 GB)

SDHC cards\* (4 GB - 32 GB)

USB flash drives\* (512 MB - 64 GB)

\* Media must be formatted FAT16/32.

#### Playback file formats

CD-DA: 44.1 kHz, 16-bit stereo

WAV\*: 44.1/48 kHz, 16-bit (LPCM SD card/USB flash drive)

MP3\*: 44.1/48 kHz, 32-320 kbps, VBR

(MPEG1/2 Audio Layer-3, data CD/SD card/USB flash drive)

AAC\*: 44.1/48 kHz, 8-320 kbps, VBR

(MPEG4 AAC-LC (Audio stream), DRM not supported, SD

card/USB flash drive)

WMA\*: 44.1/48 kHz, 32-320 kbps, VBR (WMA ver.9 standard, DRM not

supported, data CD/SD card/USB flash drive)

\* File/folder specifications are as follows.

Maximum file size: 2 GB

Maximum number of files: 300 (including folders)
Maximum number of files in a single folder: 100

Maximum number of folders: 50

Maximum number of folder levels: 16 (The full path, including the file name, must not exceed 260 characters.)

## •Number of channels

2 channels (stereo)
1 channel (mono)

# Dubbing file formats

MP3: 44.1 kHz, 96/128/192/320 kbps (96/128/192 kbps with tuner)

Maximum file size: 2 GB

## Inputs and outputs

# Analog audio input and output ratings



## •AUX IN jack (front panel)

 $\begin{array}{lll} \mbox{Connector:} & 3.5 \mbox{ mm stereo mini jack} \\ \mbox{Nominal input level:} & -20 \mbox{ dBV } (0.1 \mbox{ Vrms}) \\ \mbox{Maximum input level:} & -4 \mbox{ dBV } (0.63 \mbox{ Vrms}) \\ \mbox{Input impedance:} & 10 \mbox{ k} \Omega \mbox{ or higher} \end{array}$ 

#### Analog output (balanced) jacks

Connectors: XLR-3-32 (1: GND, 2: HOT, 3: COLD)

Rated output level: +4 dBu (1.23 Vrms, when analog output level setting **OFF**)

Maximum output level (switchable): +20 dBu (7.75 Vrms, when analog output level setting **OFF**)

Output impedance: 100  $\Omega$ 

#### Analog output (unbalanced) jacks

Connectors: RCA pin jacks

Rated output level: -10 dBV (0.316 Vrms, when analog output level setting **OFF**)

Maximum output level (switchable): +6 dBV (2.0 Vrms, when analog output level setting **OFF**)

Output impedance: 200  $\Omega$ 

## TUNER OUTPUTS (UNBALANCED) jacks

Connectors: RCA pin jacks

Rated output level: -10 dBV (0.316 Vrms)

Maximum output level: +6 dBV (2.0 Vrms)

Output impedance: 200  $\Omega$ 

## Phones jack

Connector: 6.3 mm (1/4") standard stereo jack

Maximum output: 20 mW + 20 mW or higher (THD+N 0.1% or less, into  $32~\Omega$  load)

## Control input/output

#### -RS-232C connector

9-pin D-sub (female, inch-standard)

# Audio performance

#### Frequency response

20 Hz - 20 kHz:  $\pm$ 1.0 dB (when 44.1/48 kHz sampling frequency, CD/SD/USB playback to Analog outputs, JEITA)

## Distortion

0.005% or less (when CD/SD/USB playback to Analog outputs, JEITA)

## S/N ratio

95 dB or higher (when CD/SD/USB playback to Analog outputs, JEITA)

## Dynamic range

90 dB or higher (when CD/SD/USB playback to Analog outputs, JEITA)

# Channel separation

90 dB or higher (when CD/SD/USB playback to Analog outputs, JEITA)

## Bluetooth

Bluetooth version: 4.2

Output class: 2 (about 10 m\* unobstructed transmission distance)

Supported profiles: A2DP, AVRCP 1.0
Supported A2DP codecs: SBC, AAC, aptX

Supported A2DP content protection: SCMS-T

\* The transmission distance is only an estimate and might vary depending on the surrounding environment and radio wave conditions.

## Tuner

## •Frequency range



DAB: Band III, 174 MHz - 240 MHz FM: 87.5 MHz to 108.0 MHz

Antenna connector

Type: F-type (female) Input: 50  $\Omega$ , unbalanced

# **Other**

•Power

AC100-240 V, 50/60 Hz

Power consumption

20 W

Dimensions

 $482.8 \times 46.5 \times 296 \text{ mm} (W \times H \times D)$ 

Weight

3.3 kg

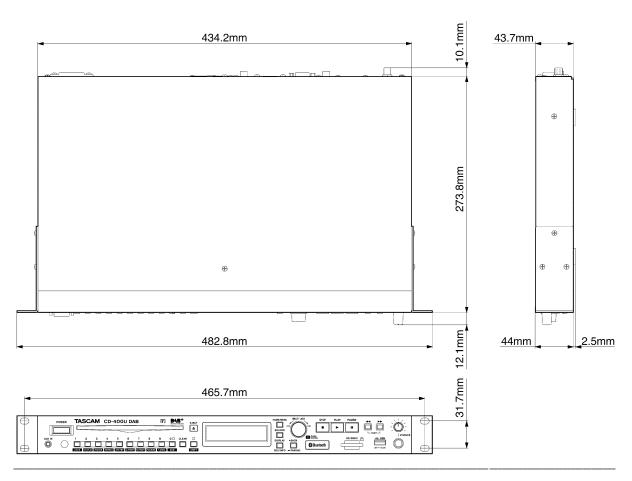
Operating temperature range

5°C - 35°C

•Permitted installation tilt

30° or less

# ■ Dimensional drawings



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