



Table des matières

Introduction.....	3
Contact.....	3
Document overview.....	3
FRONT PANEL.....	5
REAR PANEL.....	6
CONNECTIONS.....	7
Operation and settings.....	8
Standby.....	8
Volume control.....	8
Output sampling frequency.....	9
World clock system.....	9
Source selection.....	10
Firewire.....	10
USB.....	11
Connection to Windows / PC.....	11
Connecting to OSX / MAC.....	11
Bluetooth.....	12
iPod.....	12
Connecting the iPod or iPhone.....	12
Connecting the iPad.....	12
Flash USB – LAN – Webradio.....	13
LINE IN.....	14
TOSLINK.....	14
ADAT.....	14
AES/EBU.....	14
S/PDIF.....	14
Factory Reset.....	14
SPECIFICATIONS.....	15



Introduction

Contact

ORPHEUS MEDIA SARL

Avenue des Sciences 3
1400 Yverdon-les-Bains

Phone : +41 24 423 9088

Fax : +41 24 424 9089

E-mail: info@orpheuslab.com

Web: www.orpheuslab.com

Document overview

This document is the user manual for the Orpheus Media Vanguard series Digital Audio Dock.



Unpacking

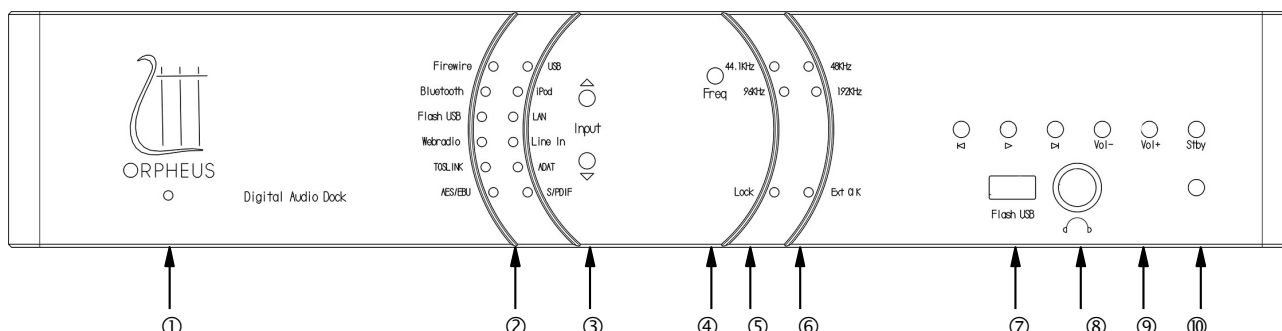
First check and identify the contents of your D.A.D. package, as listed below:

- Digital Audio Dock
- CD User manual

Read this before operating your unit

- Please read this manual carefully, to assure proper operation and the possible performance.
- Switch off the unit before connecting or disconnecting any input or output cables.
- Do not touch the inner pins of rear panel connectors, electrostatic discharge may cause permanent damage to the unit.
- Choose the installation location for the unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Avoid also locations subject to vibration and excessive dust, heat, cold or moisture.
- To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture.
- Do not use force when operating switches, knobs and other controls.
- Do not open the chassis or attempt to make repairs by yourself, as this may result in damage to the unit or electrical shock. If a foreign object should get into the unit, contact your local dealer.
- When planning not to use the unit for a long period of time, it is advisable to disconnect the power plug from the wall outlet.
- To prevent lightning damage, disconnect the power plug when there is an electrical storm.
- When moving the unit, be sure to first disconnect the power plug and all wires connected from the unit to other equipment.
- When disconnecting the power plug from the wall outlet, always pull directly on the plug, never pull the cord itself.
- Do not attempt to clean this unit with water or chemical solvents, as this may damage the unit or the finish. Use a clean, dry cloth.
- Keep this manual in a safe place for future reference.

FRONT PANEL



① MAIN POWER INDICATOR

The light is red when the unit is in standby.
When the unit is turned on, one input LED must light blue.

② INPUT LEDs

The input LED shows which input is streaming to the output.

③ INPUT BUTTONS

There is two buttons for the input selection. Press Up or Down to go to select the next input.

④ FREQ BUTTON

This is the button to select the output sampling frequency.

⑤ FREQ LEDS

Led showing the output sampling frequency selected.

⑥ CLOCK SYSTEM LED

LOCK : This LED shows if the system is internally locked with a stable clock.

Ext. CLK : This LED indicates that the DAD is locked with an external clock.

⑦ FLASH USB SLOT

Slot for USB memory stick.

⑧ HEADPHONES

Headphone 6.35mm connector.

⑨ CONTROL BUTTONS

Previous: Selects the previous song or channel (Only enabled with iPod, Flash USB, LAN, Webradio inputs)

Play: Play & Pause (Only enabled with iPod, Flash USB, LAN, Webradio inputs)

Next: Selects the next song or channel (Only enabled with iPod, Flash USB, LAN, Webradi inputs)

Vol+: Increases the analog volume (Pre out & headphones)

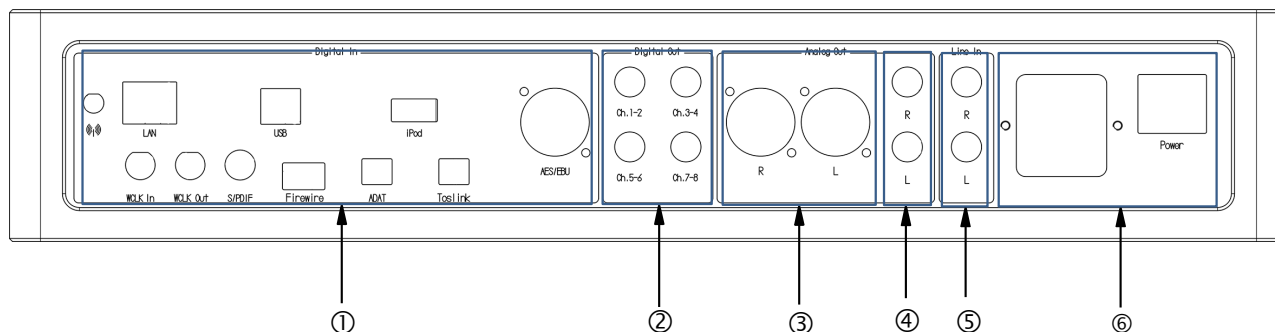
Vol-: Decreases the analog volume (Pre out & headphones)

Stby: Turns the device into standby. Saves the configuration of the DAD

⑩ INFRARED SENSOR

Infrared sensor for the remote control. The only remote fully compatible is the Vanguard line remote control. This remote is also compatible with the iDA and FAD which are products of the same line.

REAR PANEL



1. DIGITAL INPUT

Bluetooth
LAN
Webradio
USB
iPod
S/PDIF
Firewire
ADAT
TOSLINK
AES/EBU

Word Clock In & Out

2. DIGITAL OUTPUT

S/PDIF Multichannel

3 . ANALOG PRE OUTPUT

Balanced output (channel 1-2)

4. ANALOG OUTPUT

Line out unbalanced output (Channel 1-2)

5. ANALOG INPUT

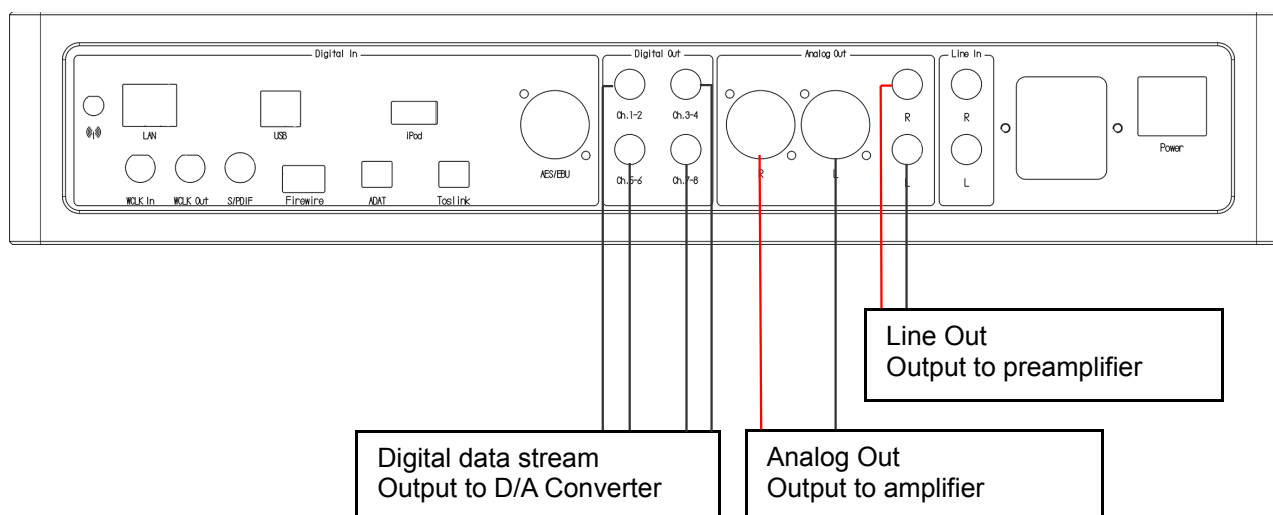
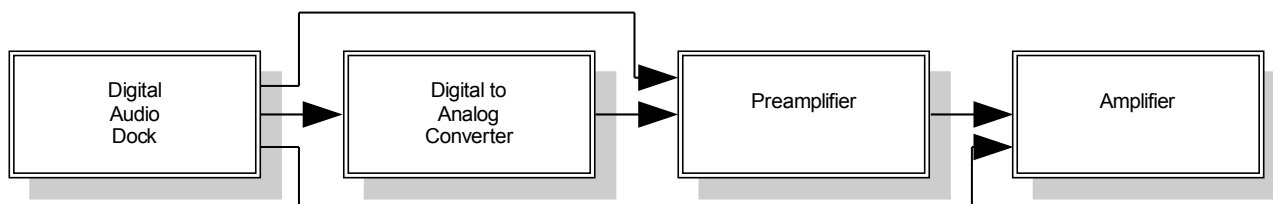
Line in unbalanced input

6. POWER SUPPLY & POWER SWITCH

Power cord connection and main power switch.

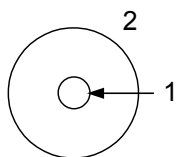
CONNECTIONS

The Digital Audio Dock is a complete device able to be connected in several ways. It has an internal DAC as well as an internal preamplifier. Nevertheless, the connectivity capability also allows the user to use other external devices to manage the digital to analog conversion and the volume control.



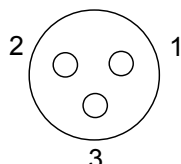
RCA OUTPUT CONNECTOR

1 : signal in phase
2 : ground



XLR OUTPUT CONNECTOR

Pin 1 : ground
Pin 2 : signal in phase
Pin 3 : signal out of phase



The balanced analog output is not a floating output. Do not connect pin 3 of the connector to ground. If you wish to wire the balanced output to an unbalanced input (with RCA connector), connect pin 1 to ground and pin 2 to signal, and make sure pin 3 is not used.



Operation and settings

The DAD offers a large number of digital inputs which are easy to use. All the settings are accessible on the front panel in order to be easy to change the configuration of the device.

Standby

The settings are stored in the internal memory when the STBY button is pressed. It will automatically save its streaming input, the analog volume, the output frequency used, etc... The power supplies are also turned off which saves a lot of energy during this mode. When you will turn on again the device, the DAD will directly start with its last configuration even if the power cord has been removed.

To start the machine, just press any button on the front panel or on the remote control, and this will restart the machine.

Volume control

The volume can be set in a range -100dB to 0dB with steps of 2dB by pressing the buttons Vol+ or Vol-. When you change the volume level, the input LEDs give you an estimation of the overall volume.

When the volume is maximum, all the LEDs are lighted ON as well as when the volume is at its minimal value, no input LED will light.



Output sampling frequency

The DAD can process digital data on four different sample rates (frequencies) 44.1kHz, 48kHz, 96kHz and 192kHz. The selected sample rate has influence on the distortion performance and aliasing in the analogue domain. These technical facts have a slight influence on the sound character of your DAD and can therefore be modified to suit your preference.

The output sampling frequency selected will be indicated on the front panel, by a blue LED.

Word clock system

The DAD contains a complex clocking system with several PLLs in order to be able to have a low jitter clock with the capability to lock precisely with sampling frequencies of multiples of 44.1KHz and 48KHz.

The device is also able to lock with an external word clock from another digital source. The DAD will check the clock frequency and quality and if it fits its requirement the DAD will switch to the external word clock. When the external word clock is used, the Ext. CLK. LED will light in blue.

Source selection

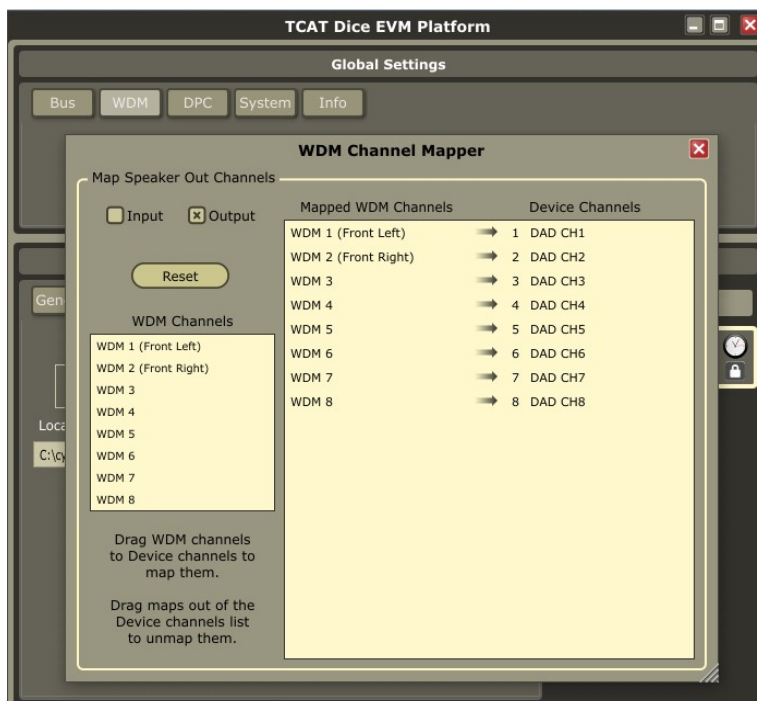
The DAD has twelve digital input sources available. By pressing the buttons up or down, the sources change in a circular way.

Firewire

The drivers ASIO are provided on the CD of the User's Manual with the path: Drivers\Firewire. According the computer you have, you will have to select the correct folder in order to install the correct driver for your machine.

After having installed the drivers and after the reboot, your computer is ready to work with the Firewire interface of the DAD.

The default mapping is the one showed on the picture hereunder, but you can change the mapping as you want.





USB

Connection to Windows / PC

- connect the DAD to your PC with a USB cable.
- Turn on the machine
- If this is the first time that you connect the DAD to your PC, please install the driver from the CD. The path of the drivers is: driver\USB\HDAudioSetup.exe
- After few seconds, the DAD will be ready to play music.

If the sound is too low or high.

- Right-click the speaker icon in the system tray (at the far right of the Windows)
- Click Open Volume Controls.
- Drag the slider in the left column with the mouse to adjust master volume.

If the sound doesn't come :

- Right-click the speaker icon in the system tray (at the far right of the Windows)
- Check if the HD audio is selected.

Connecting to OSX / MAC

- connect the DAD to your MAC with a USB cable.
- Turn on the machine.
- Click on the icon Preference Panes (usually located on the the dock).
- Click on the loudspeaker to modify the sound settings.
- Click on the output tab.
- Click on USB Audio to choose this type of output rather than the onboard speaker of the computer.
- Your DAD is now ready to play music like an external sound card.



Bluetooth

Referring to your Bluetooth A2DP device instructions, search for new paired devices.

The DAD will be identified as DAD then a number. Select your DAD and enter the password **1234** when prompted.

Confirm that you wish to connect to the DAD device.

The DAD should now be locked to your Bluetooth enabled phone or computer and be able to receive high quality digital audio.

If you lose connection, for instance if the DAD is switched off, then you can reconnect by looking at the list of paired devices on the phone/computer and selecting connect.

iPod

Connecting the iPod or iPhone

Connect your iPod once you have properly installed the appropriate dock insert.

Gently slide the iPod down into the dock insert. Make sure to align the connection on the bottom of the iPod with the multi-pin metal connector located within the plastic dock insert. Do not force the iPod down into the dock insert or you may damage the multi-pin connector and cause the DAD to malfunction.

To remove the iPod from the DAD, grasp the iPod with a firm grip and pull upwards at the same angle of the iPod while docked.

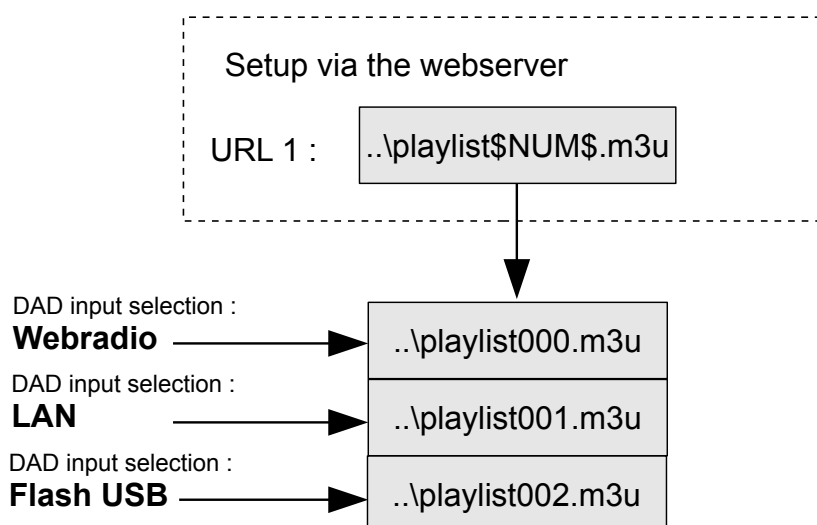
Connecting the iPad

Connect your iPad with your USB cable to the socket noted « iPod ».

Now, you can control your iPod with the button in front face or with the vanguard remote control. (Play, Prev, Next).

Flash USB – LAN – Webradio

With a RJ45 cable, connect the DAD (LAN plug) to your internet cable. Turn on the DAD and select the LAN, Webradio or Flash USB. You should hear the dynamic IP address of the DAD. Once you got the IP address, open an internet page and type the IP address of the module in order to be able to reconfigure it. As soon as you have entered the correct address, you should get an interface which allows the user to reconfigure the module.



URL1 contains the adresse where all your 3 playlist are stocked. You can stock them on your USBkey, on an webservice or on your NAS.

If you want only listen webradios and never LAN or Flash USB, you can just write your webradio adresse in URL1. But, the input LAN and Flash USB will not function.

When you select input Webradio, the DAD will load the playlist000. If you want listen the next or previous Webradio in your playlist000.m3u, you can press next or previous button.

When you select input LAN, the DAD will load the playlist001.

When you select input Flash USB, the DAD will load the playlist002.

IMPORTANT: Your NAS must support HTTP access to its stored files.



LINE IN

The input voltage should not exceed 2Vrms. This input can be used to integrate all the devices having a analog output (such as phones, computers, mp3 players etc...)

This mode is selected when the Line In input LED is lighted in blue.

TOSLINK

It is an optical connection to the DAD. It is able to transmit a pair of audio data with a sampling frequency up to 192KHz.

No drivers are required.

This mode is selected when the TOSLINK input LED is lighted in blue.

ADAT

It is also an optical connection to the DAD, but it can transmit four pairs of audio data at a sampling frequency of 48KHz.

No drivers are required.

This mode is selected when the ADAT input LED is lighted in blue.

AES/EBU

No drivers are required.

This mode is selected when the AES/EBU input LED is lighted in blue.

S/PDIF

No drivers are required.

This mode is selected when the S/PDIF input LED is lighted in blue.

Factory Reset

To do a factory reset, turn off the device (not standby), press on the Previous buttons an turn on the device again. You should see the red LED blinking very fast.



SPECIFICATIONS

Technical data

Specifications

Size : 320mm x 410mm x 85mm

Weight : 8.1 Kg

Electrical voltage : 100 / 115 / 230 VAC

Power consumption : 19W

Features

Full control with remote control

Digital inputs

- ⤴ Firewire multichannel: 8 Channels 24Bits @ 192kHz
- ⤴ USB 2.0 : 24Bits @ 192kHz
- ⤴ LAN
- ⤴ iPod and iPhone Dock + USB connector (MFI Licenced)
- ⤴ Bluetooth 2.1+ EDR A2DP (iPhone compliant)
- ⤴ S/PDIF
- ⤴ AES/EBU
- ⤴ Toslink : 1 Channel 24Bits @ 192kHz
- ⤴ Optical ADAT: Up to 8 Channels 24Bits @ 48kHz
- ⤴ Webradio
- ⤴ Flash USB

Analog Input

- ⤴ Line in

Digital outputs

- ⤴ 4 x S/PDIF

Analog out

- ⤴ Line out
- ⤴ Pre out
- ⤴ Headphones

Word clock IN/OUT (44.1KHz/48KHz/96KHz/192KHz)



COMMENTS

Constructive feedback is always welcome.

Please feel free to forward us your comments at the address listed on last page or to your local dealer or distributor.

TECHNOLOGY & DESIGN

The unit has been entirely manufactured and assembled in Switzerland; conceived by ORPHEUS Media sàrl.

IMPORTANT NOTICE

ORPHEUS Media Sàrl reserve the right to make changes to their products or discontinue any product or service without notice. Adequate operating safeguards must be used to minimize hazards. Reproduction of user manual information is permissible only if it is without alteration and is accompanied by all relevant conditions, limitations and notices. Source must be clearly identified when reproducing user manual information.



LIMITED WARRANTY CERTIFICATE

ORPHEUS Media guarantees that the product described below is free of defective material and workmanship. The warranty extends for a period of one year form original purchase date, but at maximum two years form manufacturing date. ORPHEUS Media agrees to repair or replace defective parts or the complete unit at its option, provided that the equipment is returned exclusively to the original dealer.

This limited warranty is contingent upon proper and normal use and installation, and does not cover damage due to external causes, including but not limited to, accident, careless handling, improper installation or connection, problems with electrical power, electrical contact or electrical grounding, liquids, chemicals, oxidation, corrosion, exposure to the elements, service or repair not authorized by ORPHEUS Media, usage not in accordance with product instructions, failure to perform required preventive maintenance, and problems caused by use of parts and components not supplied or authorized by ORPHEUS Media. Removing, altering, tampering with serial number voids the limited warranty. The limited warranty does not extend to or include consequential damage, and does not apply in any case for damage occurring during shipping or installation.

ORPHEUS Media Sàrl, Av. Des Sciences 3, 1400 Yverdon-les-Bains, Switzerland

ORPHEUS Media Sàrl – August 2012 – rev.1

Model **VANGUARD SERIES - Digital Audio Dock**

Serial Number _____

Date of sale _____

Distributor _____