



DM10 Active Monitors Owners Instructions

For the use, care and maintenance of your
Loudspeaker System

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Important Safety Information

CAUTION

To reduce risks of electrical shock do not dismantle your loudspeakers.

No user-serviceable parts inside.

Do not expose this apparatus to rain or moisture.

Grills are to prevent a build up of dust, especially on the very delicate tweeter diaphragm, so best left in place.

FUSES

Only replace mains fuse with the same type and rating.

Disconnect mains cable before changing the fuse.

General Safety Information

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use the apparatus near water.

Clean only with dry cloth.

Install in accordance with manufacturer instructions.

Do not install near heat sources.

Protect the power cord from being walked on.

Use only with recommended accessories.

Refer all servicing to qualified personnel.

Connect only to power supply marked on the apparatus.

Use the mains plug to disconnect from the mains supply.

Switch off apparatus when not in use.

No naked flame sources should be placed on the apparatus.

Welcome!

AVI / Speaker Techniques Ltd thank you for buying DM10s which are a complete, self-contained Hi-Fi system, with two optical digital inputs and one analogue. They are suitable for a variety of network music players, computers, games consoles, (Smart) TVs, 3D BD/CD players, and set top boxes and streaming devices such as the Apple TV or Airport Express.

The system comprises of a three input (two digital and one analogue), remote-controllable pre-amplifier with digital to analogue conversion driving the highest possible performance, two way active speakers.

Your system will give many years of faultless service and listening pleasure.

AVI is a British manufacturer of audio products with over 20 years experience in producing some of the world's best Hi-Fi.

If you have any concerns regarding your purchase please contact AVI:

info@avihifi.com

Using the handset

The following functions are available:

The A1 button selects the Analogue input.

The D1 to D2 Buttons will select the digital inputs.

The VOL- and VOL+ up or will control volume of the entire system.

The Mute button will mute your system.

Installation

Unpacking

DM10s are supplied packed as pairs.

Included in the outer packing are the following accessories:

1 x Remote control

2 x 3 metres mains leads

1 x 5m interconnecting lead

This instruction manual

Positioning

Your AVI DM10s are not particularly room critical, so should work best in the same position as the speakers they are replacing. Avoid corners and being too close to side walls.

Remember that you need access to the IR sensor to control your speakers.

Connecting the system

Important warning Under no circumstances should any connections be made when any part of the system is turned on or even plugged into the mains.

Make sure all connections are made correctly, as outlined in this instruction manual, and then plug in the mains lead and switch on.

AVI will not accept liability for damage arising from non-compliance with these instructions.

Digital inputs 1 & 2:

D1 & 2. Remove the dust caps and connect a Toslink cable from the output of your digital source to the selected digital input. All these inputs support 24/96.

Examples of digital sources include, but are not limited to: Apple TV or Airport Express, Apple Mac Book or Mac Mini, Other computers with optical out, Sony PS3 or Microsoft Xbox 360, Sonos, Squeezebox or Roku, CD and DVD players, Sky, FreeSat and Freeview boxes. TVs with digital outputs need to be switched to stereo because your ADMs cannot decode 5.1.

The quality of the state of the art internal digital to analogue conversion renders differences between digital transports irrelevant.

Analog AF I/Ps Left and Right:

Connect an interconnect with RCA plugs from the analogue output of a source component to the Analogue input **left** and **right**. A1 on the handset and AV select analogue inputs 1 & 2.

Sub Outputs

Use the single mono for the dedicated AVI Sub. Two subs provide no benefit.

Instructions for use

To switch on use the mains on/off switch on the rear panel adjacent to the IEC inlets.

Source Selection

Sources A1, D1 and 2 are selected by using appropriate handset buttons.

Volume

Overall level is controlled by **VOL-** and **VOL+** and **changes are deliberately slow to avoid risk of over driving and damaging special drive units. Digital inputs 1 & 2 will not accept volume or mute key instructions unless there is a valid PCM stereo data stream on the input. If a 5.1 signal is detected the system mutes automatically.**

WARNINGS!

- 1. Use only AVI Subs for best results**
- 2. Digital inputs decode stereo data only, not 5.1.**
- 3. AVOID OVERDRIVING AND DON'T SWITCH ON OR OFF UNTIL SPEAKERS ARE CONNECTED. NEVER DISCONNECT OR RE-CONNECT WITH THE POWER ON.**

Declaration of Conformity

EU Declaration of Conformity in accordance with EN 45014:1998

We: AVI / Speaker Techniques Ltd

Declare that: AVI DM10 Hi Fi system

In accordance with the following Directives:

72/23/EEC The Low Voltage Directive

89/336/EEC The Electromagnetic Compatibility Directive

RoHS Restriction of Hazardous Substances

Has been designed and manufactured to meet the following specifications:

EN60065:2002 Audio, Video and similar electronic apparatus – safety requirements

EN55013:2001 Sound and television broadcast receivers and associated equipment – radio disturbance characteristics – limits and methods of measurements

Specifications

Analogue input sensitivity

500 mV

Amplifier Power	2 x 75 and 2 x 250 Watts
Distortion	Typically 0.002%
Volume control range	100dB (1/2dB steps)
Electronic crossover	2.35 kHz to tweeter. 8th Order Linkwitz Riley
Dimensions	310 x 20 x 26 cms
Optical S/PDIF	Stereo data 24 bit 96 kHz (limited by Optical connector 24/192 DAC)
Fuse Type	T1A spiral wound for 230VAC T2A spiral wound for 120VAC
Power Amplifiers	Linear Class AB.
Weight	26 kilos packed.

NB. There is no standby so switch off when not in use.
For maximum safety we use the lowest fuse ratings, which means they might occasionally blow. This does not indicate a fault and it's important to use another of the correct rating. Spares are supplied in the fuse holder.

Warranty

AVI guarantee the DM10 active speaker system for two years parts and labour, but not misuse. Customers to return goods to base at their expense for repair

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