SUGDEN AUDIO

DAP-800 Digital Analogue Pre-Amplifier

<u>INSTRUCTION MANUAL</u>

MAY 2024

Designed and manufactured in England by

DAP-800 Pre-amplifier

This section must be read before connecting to the mains supply

MAINS CONNECTION INFORMATION
Your SUGDEN amplifier has been designed to comply with the domestic power and safety requirements that exist in your area. This amplifier can be powered by AC ONLY.

CHOOSE A SAFE AND SUITABLE LOCATION - Your amplifier is a class A design and therefore requires good ventilation.
> DO NOT: Expose to direct Sunlight
> DO NOT: Position next to a heat source such as a radiator
> DO NOT: Use in places with high humidity of poor ventilation
> DO NOT: Subject to mechanical vibration
> DO NOT: Place on an unstable or inclined surface
> DO NOT: Stand other equipment on top of the amplifier
> Never block the ventilation holes or stand directly on a carpet

GUARANTEE
To **activate your guarantee**, please complete the owner registration form on our website www.sugdenaudio.com/warranty-registration within 60 days of purchase. It is in your best interests to register your ownership to ensure you benefit fully from our warranty. Your details are not shared with any other company.

CE   The DAP-800 is in conformity with the EMC directive and low-voltage directive.   UK CA

Installation
The DAP800 pre-amplifier is suitable for freestanding on a shelf or in a cabinet. Do not stand the unit in direct sunlight or near a heat source. It is not recommended that the pre- amp sits directly on top of a power amplifier.

Accessories Supplied in the Carton
- IEC straight connector with moulded mains plug. This should be suitable for your country. To check that the pre-amplifier is the correct voltage please examine the carton, the assembly ticket attached to rear of the unit and the legend on the rear of the unit.
- Remote control handset supplied with two AAA batteries.

Connecting your Pre-amplifier to the Mains Supply
Use the IEC power chord supplied, as this has been properly tested and CE approved to be used with your pre-amplifier. The mains input socket is located at the rear of the unit and is clearly marked 'Mains power inlet & fuse'.

Connecting your Pre-amplifier to a Power Amplifier
All output sockets are clearly marked on the back panel of the pre-amplifier and are as follows:-
Two pairs of phono RCA pre-amplifier signal out
Tape out (fixed level)
One pair of Balanced XLR signal out

The DAP800 pre-amplifier has two pairs of phono sockets and one pair of XLR sockets for connecting to a power amplifier. The phono sockets are standard type RCA connectors of high quality with Teflon inserts and gold plated contacts. It is advisable to make sure your interconnect leads have similar quality plugs that fit securely. The two sets of phono sockets are clearly marked right (red) and left (black or white) for identical connection to your power amplifier. If you are using two power amplifiers the second set of phono sockets can be used to connect the second power amplifier, or these can be connected to an active sub- woofer. The XLR output sockets are for connection to an amplifier with a balanced input like the Sugden range of Sapphire or Masterclass power amplifiers. The pin configuration is:

Ground
Positive
Negative

If using long cable runs between your power amplifier or source component, balanced XLR cables can offer better performance than line level phono cables.

DAP 800 Rear View

Connecting Source Components to the Pre-amplifier (Back Panel)
All input sockets are clearly marked on the back panel of the pre-amplifier and colour coded, these are as follows:-
One balanced input
One Bypass
Four phono RCA line inputs
Three SPDIF phono RCA coax inputs
Two SPDIF optical inputs
One USB type B input

Analogue Inputs
The inputs are clearly marked left and right for identical connection to your source component. All inputs are for equipment with a line level output except the balanced input and that is for equipment with a balanced XLR output. If you wish to play vinyl then an external phono amplifier will be required like our Masterclass PA-4.

Digital Inputs
There are a total of five digital inputs on your pre-amplifier so you will be able to connect a variety of digital sources with SPDIF coaxial and optical outputs. The USB input can be used to play music stored on your computer or music being streamed on a compatible hard drive or media player. The USB input has a standard Class B type socket. When a digital input signal has been detected the DIGITAL LOCK lamp on the front panel will be lit.
The digital circuit has its own mains switch on the rear panel next to the mains power inlet.

Connecting a computer to the USB input
The USB input on your DAP-800 is a 'plug and play' way to stream music from a computer or media player. When connecting your computer to the DAP-800 pre-amplifier we suggest that both the pre-amplifier and computer are switched on. It may take a short time for your computer to confirm that a new USB device has been detected and installed. On completion of the installation you may need to alter the audio settings in your control panel or media player. You may also require an internet connection. If your computer does not initially detect the USB input of the DAP 800 you may need to try the connection again. This is usually dependant on your computer software. When the DAP 800 is receiving a signal from your computer the DIGITAL LOCK on the front panel will be lit.

Bypass Input
When the pre-amp is switched off it is possible to operate a true signal bypass. Connecting a source to the bypass input will allow a signal through to the pre-amplifier phono RCA outputs at its original level. This feature is useful for home theatre systems allowing a direct connection from a processor to your stereo power amplifier. When the pre-amp is switched on the bypass input is muted.

Operating your DAP800 Pre-amplifier

Front Panel Controls
The front panel consists of the following features:-
Volume control
Power on LED
Remote control receiver
Analogue input selector
Power on/off
Digital input selector switch
Digital lock LED

Power Switch
This turns the pre-amplifier on and off. The pre-amplifier is on when the switch is depressed and the power led indicator is lit. There is a separate power switch for the DAC circuit on the rear of the pre-amplifier.

Volume Control
The volume control allows you to control the output from your pre-amplifier to your power amplifier. The volume level will be at zero when the control knob is turned fully anti- clockwise. Before you start playing music the volume control should be at zero or near zero to avoid a loud dynamic burst. In addition to the front panel volume control a remote control handset is supplied with your pre-amplifier. This is a system controller and the only function programmed for the pre- amplifier is volume up and down. All other functions are for Sugden CD players and CD transports

Replacing Fuses
There are four power supply fuses in the DAP800 Pre-amplifier; these are to protect the unit in case of a failure. If a fuse does require replacing, this is usually an indication that a fault exists. However, it is not always an indication that the pre-amplifier is at fault so it is important to determine the cause before replacing any fuses. Please consult your dealer for advice.
- Always replace fuses with the same type and rating