



# IPS-CD

ORDERCODE D6512



**SHOWELECTRONICS FOR PROFESSIONALS**

## **Congratulations!**

You have bought a great, innovative product from DAP Audio.

The DAP Audio IPS-CD brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated show, this product provides the effect you need.

You can rely on DAP Audio, for more excellent audio products.

We design and manufacture professional audio equipment for the entertainment industry.

New products are being launched regularly. We work hard to keep you, our customer, satisfied.

You can get some of the best quality, best priced products on the market from DAP Audio.

So next time, turn to DAP Audio for more great audio equipment.

Always get the best -- with DAP Audio!

Thank you!



# DAP Audio

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## WARNING



### CAUTION!



**Keep this system away from rain and moisture!**

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

## SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this system have to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.  
With a dangerous voltage you can suffer  
a dangerous electric shock when touching the wires!**



Before you initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the system.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the system are not subject to warranty.

This system contains no user-serviceable parts. Refer servicing to qualified technicians only.

### **IMPORTANT:**

*The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the system.*

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Do not insert objects into air vents.
- Do not connect this system to a dimmer pack.
- Do not switch the system on and off in short intervals, as this would reduce the system's life.
- Do not open the device and do not modify the device.
- Do not open this device. Risk: hazardous radiation exposure.
- Only use system indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when system is not used. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure you don't use the wrong kind of cables or defective cables.
- Make sure that the signals into the mixer are balanced, otherwise hum could be created.
- Make sure you use DI boxes to balance unbalanced signals; all incoming signals should be clear.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the system and the power-cord from time to time.
- Make sure that the amplifier is turned down, before turning the power on or off. So you can avoid supersonic frequencies, which could damage your speakers.
- Don't put your equipment next to TV, radio, etc., because of interference or distortion.
- If you connect other parts of the system, be careful of ground loops.
- The best way to avoid ground loops is connecting the electrical system ground to one central point ("star" system). In this case the mixer can act as a central point.
- Before changing the ground, always turn off your amplifier.

- Please read this manual carefully and keep it for future reference. Remember that the amplifier has a better value on the market, if you save the carton and all packing materials.
- Always operate the unit with the AC ground wire connected to the electrical system ground.
- Connecting amplifier outputs to oscilloscopes or other test equipment, while the amplifier is in bridged mode, may damage both the amplifier and test equipment.
- Do not drive the inputs with a signal level bigger, than required to drive the equipment to full output.
- In system setup, the amplifier's output power must be 50%-100% more than the loaded loudspeakers rated power.
- Please turn off the power switch, when changing the power cord or signal cable, or select the input mode switch.
- In typical use, please set the volume at 0dB position.
- Sometimes, when you want to send one signal to more than one amplifier, you should use a signal distributor.
- If your Dap Audio device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Dap Audio dealer for service.
- Allow time to cool down, before cleaning or servicing.
- For replacement use fuses of same type and rating only.
- Prevent distortion! Make sure that all components connected to the DSA have sufficient power ratings. Otherwise distortion will be generated because the components are operated at their limits.
- Avoid ground loops! Always be sure to connect the power amps and the mixing console to the same electrical circuit to ensure the same phase!
- If system is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the system has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your system. Leave the system switched off until it has reached room temperature.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.


## OPERATING DETERMINATIONS

If this system is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void. Any other operation may lead to dangers like short-circuit, burns, electric shock, etc. You endanger your own safety and the safety of others!

## Connection with the mains

Connect the device to the mains with the power-plug.

Always pay attention, that the right color cable is connected to the right place.

International	EU Cable	UK Cable	US Cable	Pin
L	BROWN	RED	YELLOW/COPPER	FASE
N	BLUE	BLACK	SILVER	NUL
	YELLOW/GREEN	GREEN	GREEN	EARTH

Make sure that the device is always connected properly to the earth!

***Improper installation can cause serious damage to people and property!***

# Description of the device

## Features

- VCD/DVD/MP3/CD player
- Long- distance remote controlling
- Select the program up or down
- Stereo RCA output
- Repeat function

### Front panel

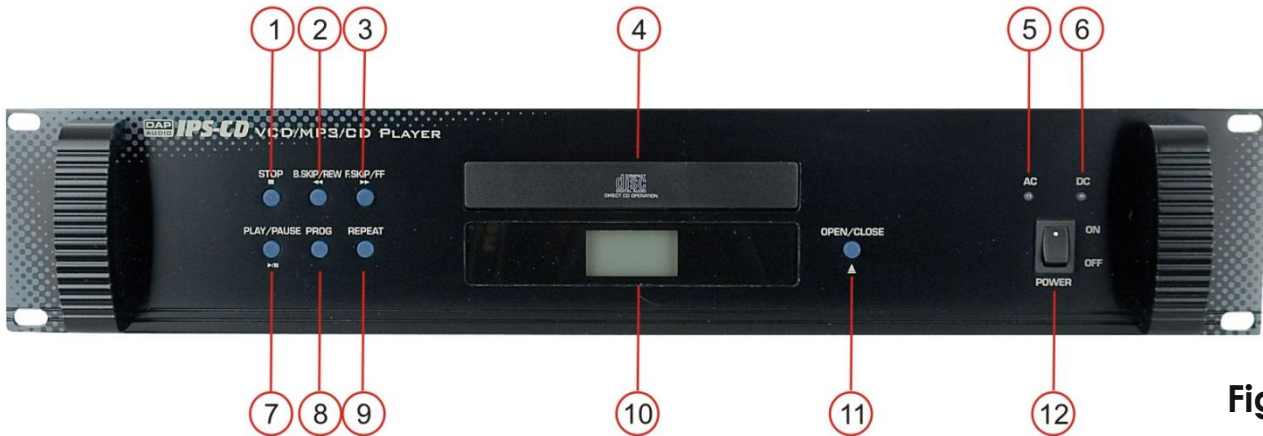


Fig. 1

- 1) STOP**  
Pressing this button will stop playback.
- 2) B.SKIP/REW**  
Holding this button lets you scan backward. Tipping this button lets you go back to the beginning of the current track or select a previous track
- 3) F.SKIP/FF**  
Holding this button lets you scan forward. Tipping this button lets you skip to the next track.
- 4) Disk holder**
- 5) AC LED**  
Indicates that AC power is connected and the device is turned on. The LED will dim if the mains power fails.
- 6) DC LED.**  
Indicates that an external 24Vdc power supply is present.
- 7) PLAY/PAUSE**  
Use this button to start playback. Press once to start playback, twice to set the pause mode, and three times to resume playback.
- 8) PROG**  
Use this button to program a playback sequence. See the section program play on page 7/8.
- 9) REPEAT**  
Use this button to repeat one track or all tracks of the CD.
- 10) Display**
- 11) OPEN/CLOSE**  
Use this button to open or close the disk holder. The disc holder cannot be opened during playback, so stop playback before pressing the button.
- 12) AC Power Switch.**  
This is the main Power switch. Press to turn the amplifier on.

## Rear panel



**Fig. 2**

**13) AC Inlet with integrated fuse holder.**

This connector is meant for the connection of the supplied main cord. Connect one end of the power cord to the connector, the other end to the mains, then turn on the power switch (1) to operate the unit.

**Note:** Please make sure that the supply voltage matches the operation voltage before connecting the unit to mains. Replace the fuse only with a fuse of same specification (T500mA).

**14) DC 24V Input.**

Used to connect an external back up power supply of 24Vdc (e.g. Battery).

**15) GND Screw.**

This screw offers a separate ground connection. Can be useful in case of grounding problems.

**16) Remote Data Link Ports.**

Used to Link the remote to another device.

**17) Remote Data In Port.**

Used to control this device remotely from a Weekly programmable Timer.

**18) Video out.**

RCA video out for connecting to a video device (e.g. beamer).

**19) Audio Out L/R.**

2 sets of stereo RCA and 1 mono jack outputs for connecting to an amplifier or mixer.

# Operation

## Installation

Remove all packing materials from the IPS-CD. Check that all foam and plastic padding is removed. Secure the equipment into a 19" rack. Connect all cables.

## Connecting the device

Below an example of a possible setup.

*NOTE: Always turn off and disconnect the amplifier from mains voltage before making any connections.*

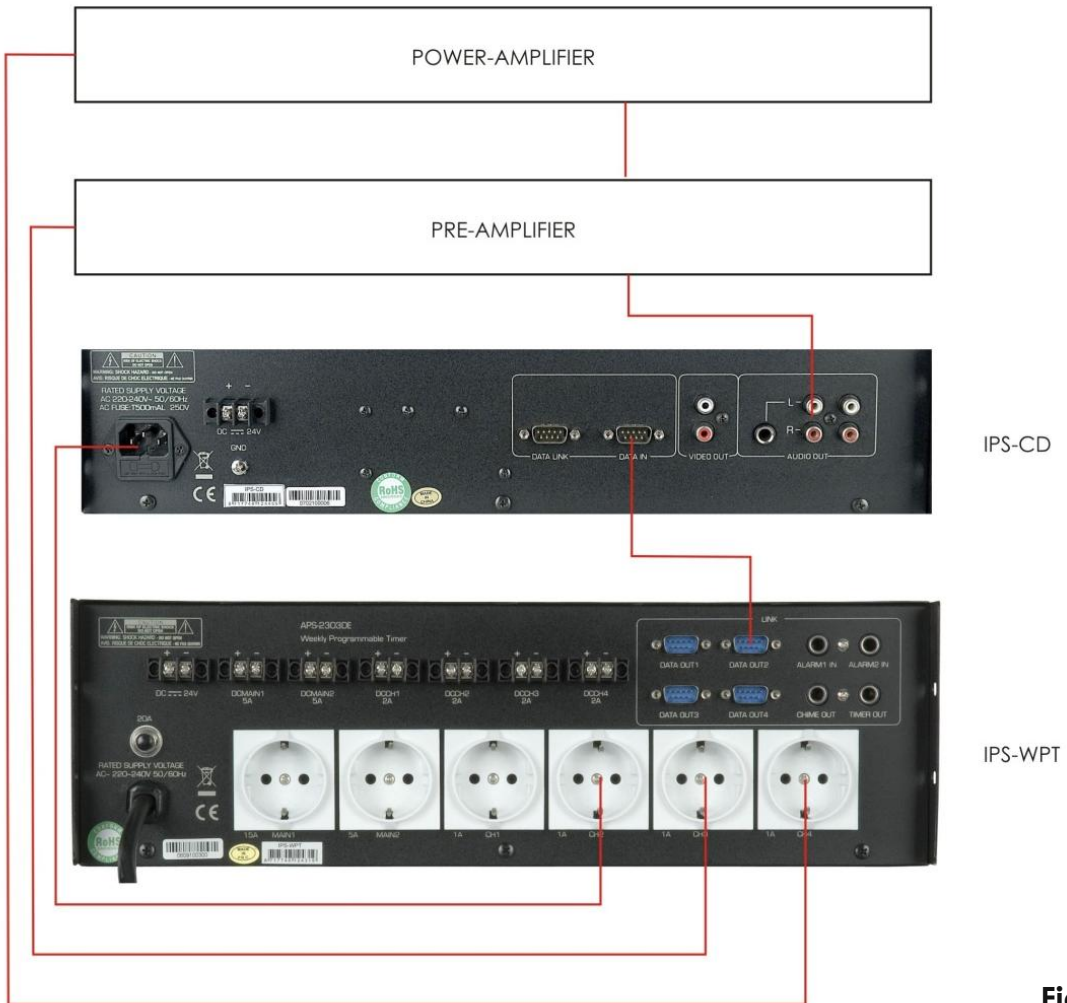


Fig. 3

# Operations

## 1. Opening and closing of the disc holder

- Turn the unit's power on. Press the OPEN/CLOSE button to open the disc holder.
- The disc holder cannot be opened during playback, to prevent playback from being interrupted if the OPEN/CLOSE button is pressed accidentally. Stop the playback first, then press the OPEN/CLOSE button.

## 2. Loading CD's

- Hold the disc by the edges and place it in the disc holder, then press the OPEN/CLOSE button to close the holder.

### CAUTION:

- Do not place any foreign objects in the disc holder and do not place more than one disc in the disc holder at a time.
- Do not push the disc holder in manually when the power is off, as this may result in malfunction and damages the player.

## 3. Selecting Tracks

- Press either the B. SKIP or the F.SKIP button to move to a higher or lower track.
- Hold the SKIP button to change tracks continuously at a higher speed.
- When a new track is selected during playback, playback begins as soon as the skip search operation is completed.
- If the F.SKIP button is pressed while at the last track, the first track is selected. In the same way, If the B.SKIP button is pressed while at the first track, the last track is selected.

## 4. Starting Playback

Press the PLAY/PAUSE button during the pause or cue condition to start playback, the PLAY indicator lights.

## 5. Stop Playback

There are two ways to stop playback:

- Press the PLAY/PAUSE button during playback to pause at that point.
- Press the STOP button.

## 6. Pausing

- Press the PLAY/PAUSE button to switch between play and pause.
- The play indicator flashes when the pause mode is set.
- Playback resumes when the PLAY/PAUSE button is pressed again.

## 7. Scanning (Fast forward/Fast backward)

- Scanning is a function for moving quickly forward or backward when the B.SKIP/RE or the F.SKIP/FF are pressed and hold.
- Press and hold the according button to begin scanning. The disc moves rapidly forward or backward and the sound is audible.

## 8. Program Play

1. Press the PROG button, the player will enter the program mode and the CD will stop rotating. The display shows as in figure 4:



Fig. 4

2. Select the desired track by using the B.SKIP or F.SKIP buttons. The display shows as in figure 5:



Fig. 5

3. press the PROG button again. The selected track will be added to the program sequence. The display shows as in figure 6:



Fig. 6

4. Repeat step 2. A maximum of 20 tracks can be programmed.
5. Press the PLAY/PAUSE button to start the program play from the first selection.
6. Press the program button again during program play to stop playing.
7. Press and hold the PROG button more than 2 seconds to cancel the program mode and erase all the current program contents.

## 9. Repeat

1. Press the REPEAT-button once to repeat the current track.
2. Press the button again to repeat the whole disc.
3. Press the button a third time, to exit the Repeat Mode.

## Before switching off the power

When you have finished using the CD player, before switching off the power, be sure that the disc holder has been closed with the OPEN/CLOSE button.

CAUTION: Do not forcibly close the disc holder when the power is off.  
Do not switch off the power, when the disc holder is open.  
Switch off the power after the disc holder has been closed with the OPEN/CLOSE button.

## CD's

### 1. Precautions on handling compact discs

- Do not allow fingerprints, oil or dust to get on the surface of the disc. If the disc is dirty, wipe it off with a soft dry cloth.
- Do not use thinner, water, record spray, electrostatic-proof chemicals, or silicone-treated cloths to clean discs.
- Always handle discs carefully to prevent damaging the surface; in particular when removing a disc from its case or returning it.
- Do not bend the disc.
- Do not put the CD near heating sources.
- Do not enlarge the hole in the center of the disc.
- Do not write on the label (printed side) with a hard-tipped implement such as a pencil or ball point pen.
- Condensation will form if a disc is brought into a warm area from a colder one, such as outdoors in winter. Do not attempt to dry the disc with a hair dryer, etc.

## 2. Precaution on storage

- After playing a disc, always unload it from the player.
- Always store the disc in the jewel case to protect from dirt or damage.
- Do not place discs in the following areas:
  1. Areas exposed to face sunlight for a considerable time.
  2. Areas subject to accumulation of dust or high humidity.
  3. Areas that are affected by heat from indoor heaters, etc.

## Remote Data Link

The IPS-CD can be controlled by an IPS-WPT. You can program the IPS-WPT to select tracks of the IPS-CD.

Connect the DATA OUT port of the IPS-WPT to the DATA IN port of your IPS-CD by a suitable serial data cable (9-pole female- female Sub-D wired 1 on 1).

## Maintenance

The DAP Audio IPS-CD requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

### Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.

1. Unplug the unit from electric power source.
2. Insert a flat-head screwdriver into a slot in the fuse cover. Gently pry up the fuse cover. The fuse will come out.
3. Remove the broken fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover.  
Be sure to use a fuse of the same type and specification. See the product specification label for details.

## Troubleshooting

DAP Audio IPS-CD

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, unplug the device.
2. Check the fuse, power from the wall, all cables, etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the amplifier, as this may damage the unit and the warranty will become void.
5. Return the amplifier to your Dap Audio dealer.

## Product Specifications

Model	VCD/MP3/CD Player
Power supply	AC 110-120/220-240V 50/60Hz, DC 24V
Power consumption	<15W
Playable disk	VCD/MP3/DVCD/CD Disks are compatible
Video output	1Vp-p
Audio output	0dBV (1Vrms) 600Ω
Frequency response	20Hz-20kHz
S/N	>80dB
Dynamic range	>90dB
Weight	6,4kg
Dimension (LxWxD)	483mm x 370mm x 88mm (19.02"x 14,57" x 3.46")

Design and product specifications are subject to change without prior notice.



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