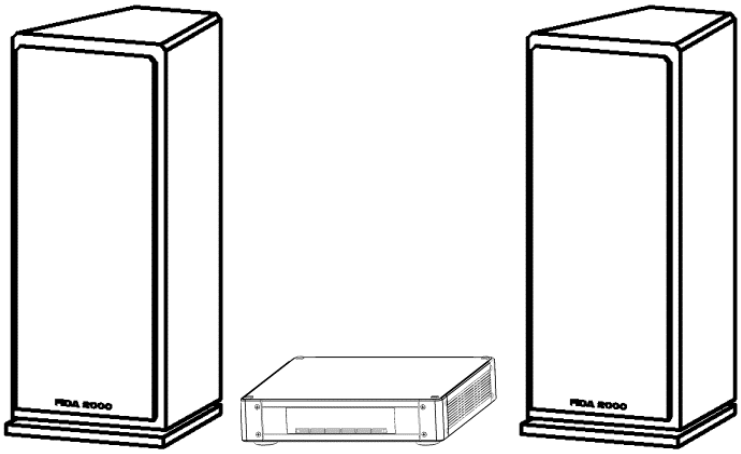
PLANK
DIGITAL AUDIO

Digital Home Audio Center

FiDA2000® Fiber Audio System

User's Manual



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Introduction

Getting Started

Thank you for purchasing a PLANK® **FiDA2000®** Fiber Audio System, which delivers the superior full-digitalized acoustic performance needed to enjoy the audio impact of digital audio, video games and other exciting home entertainment.

Using S/PDIF® optical and PCM digital audio signal processing technology, **FiDA2000®** Fiber Audio System provides improved breadth for natural soundstage for a variety of music, realism soundtrack from DVD, and 3-D effects from game audio. In fact, it provides much of the performance of premium home theatre six-or-seven speaker systems, yet from a succinct deployment of equipment.

Your system includes :

- Floor-standing, easy-to-place trapezium **FiDA** speakers
- An attractive optical fiber utilized **FiDA2000®** Digital Amplifier
- Easy-to-use, aim-and-press infrared (IR) remote control

”SPDIF”, Sony/Philips Digital Interconnect Format, is a system for carrying stereo digital audio signals between various devices and stereo components. S/PDIF is primarily used with CD players (and DVDs playing CDs), and it is becoming common on other audio components like MiniDisc and modern computer audio cards. It is also popular in car audio, where the former mess of wiring can be replaced with a single fiber optic cable, which is immune to noise. S/PDIF was developed from a standard used in the professional audio field, known as AES/EBU which is commonly used in DAT systems. S/PDIF remained identical at the protocol level, but changed the physical connectors from XLR to either electrical RCA jacks or optical Toslink, both of which cost less and are easier to use. S/PDIF is, for all intents, a consumer version of the AES-EBU format.

System Setup

Unpacking

Carefully unpack your system. Save all packing materials, which provide the safest way to transport your systems as needed.

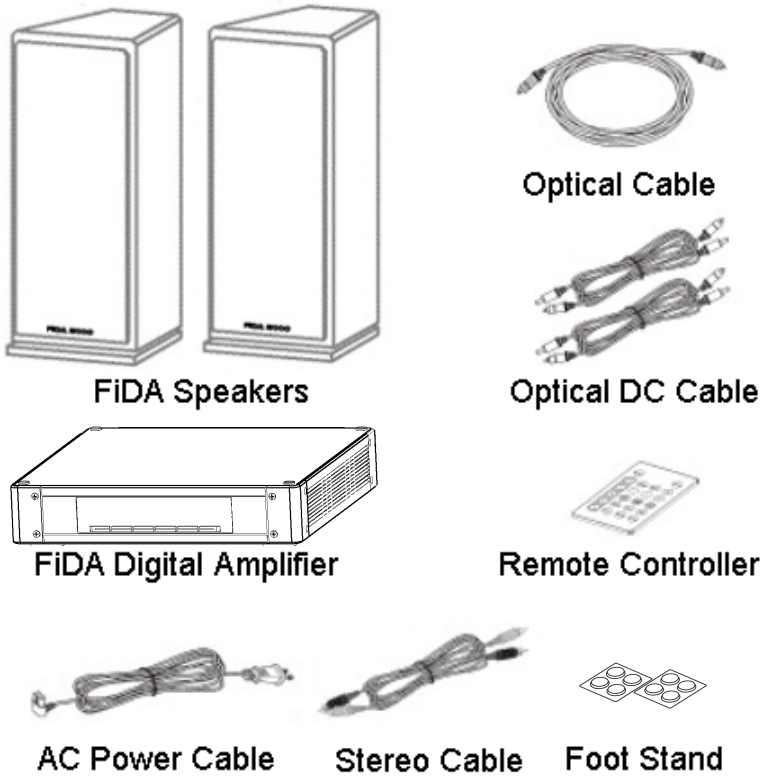
WARNING : To avoid danger of suffocation, keep the plastic bags out of the reach of children.
If any part of the system appears damaged, do not attempt to use it. Notify Plank or your authorized PLANK® dealer immediately. For contact information, refer to the address on Plank website : www.plank.com.tw.

Check to be sure your system includes the parts shown in the Figure 1.

Note : Now is a good time to find the serial number on the rear of the **FiDA2000®** Digital Amplifier. Please copy that number onto your personal notes for future services.

Figure 1 :
Contents of package

- 2 FiDA speakers
- 1 Digital Amplifier
- 1 Power cord,
- 1 Stereo cable
- 1 Optical cable
- 2 Optical DC cable
- 1 Remote controller
- 8 Rubber foot



Selecting locations for your FiDA2000®

Use the following guidelines to choose locations and positions for the speakers and Digital Amplifier. While these guidelines are offered to ensure the best system performance, you may find other placement variations that are more convenient and provide the sound you enjoy.

ⓘ **Note :** Keep in mind that the innovative fiber-DC power lines are the part of this system that connects to **FiDA** Digital Amplifier and speakers.

Positioning the Digital Amplifier

The Digital Amplifier is a sound-source connection and communication center for the **FiDA2000®** Fiber Audio System. The Digital Amplifier receives infrared signals from the remote controller to turn the speakers on, change volume, select the input source, and mute or turn off the **FiDA** system. It also sends the necessary electricity power to the **FiDA** speakers.

Remember that the cables of other components, like your DVD player, video game console, Radio Tuner, VCR, or computer, will connect directly to this Digital Amplifier, so make sure it is within reach of those cables.

CAUTION: In placing the Digital Amplifier, avoid blocking any ventilation openings on DVD player or other equipment.

Make sure the surface you attach the Digital Amplifier to is flat, and:

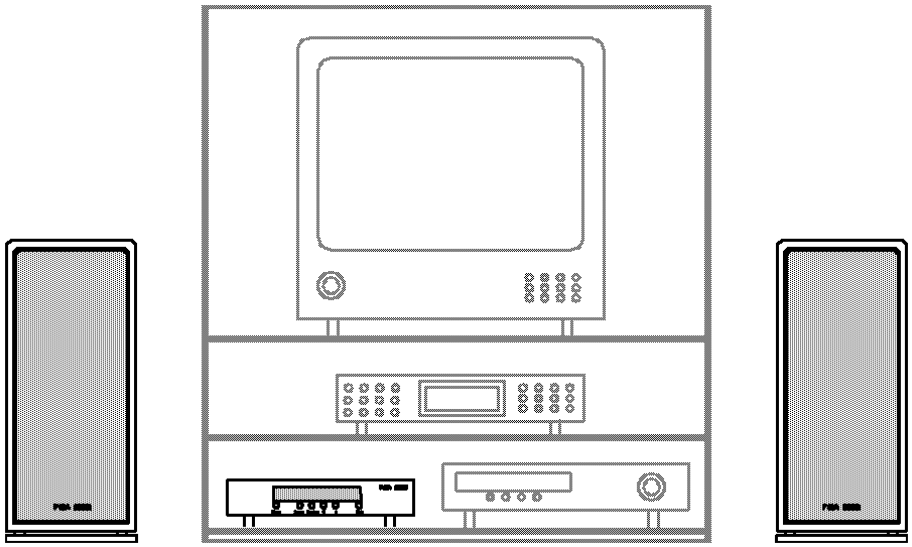
- in a clear line of sight to the **FiDA2000®** remote controller.

ⓘ **Note :** If it will be on a high shelf, make sure the edge of the Digital Amplifier sticks out slightly at the front of the shelf, or the shelf may block signals from the remote controller,

- within 15 feet(4.6 meters) of the Digital Amplifier, to which it connects.

ⓘ **Note :** The digital Amplifier is designed with foot stand, if necessary, you can use the additional rubber feet to secure the placement of Digital Amplifier when you have decided on its location. Peel off the protective backing from the rubber foot slice to reveal the adhesive, press firmly to attach it to the bottom surface of Digital Amplifier then put it where you want the amplifier placed.

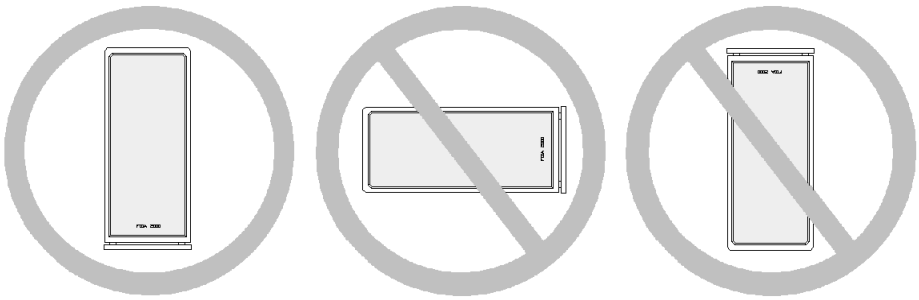
Figure 2 :
Possible system placement



Placing the speakers

FiDA speakers are designed to sit only on their bottom surface (Figure 3). In that position, they can also be put on floor stands.

Figure 3
Orientation of **FiDA** Speaker

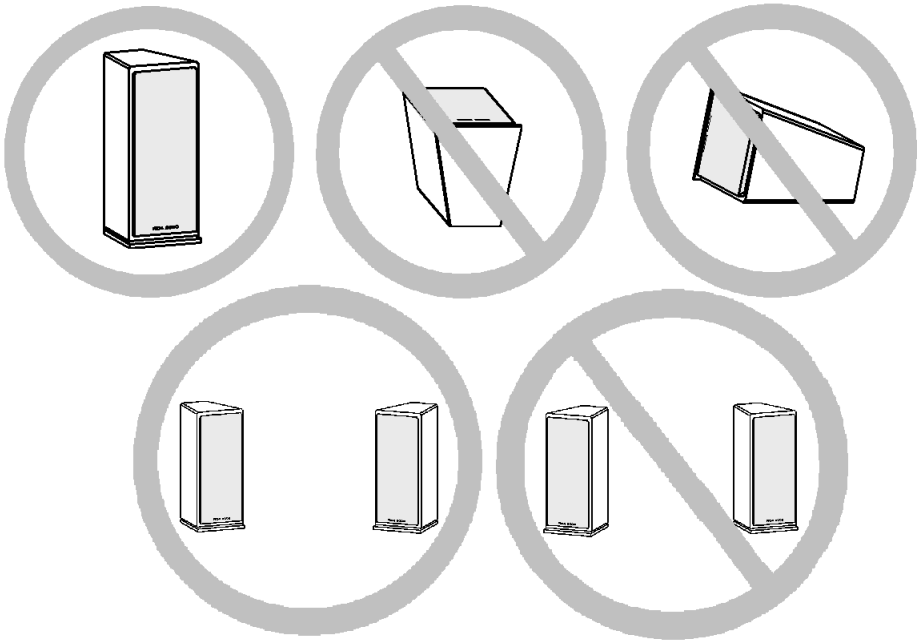


Choosing a good location for the speakers will allow you to experience the audio breadth and surround effects that your **FiDA2000®** system is designed to present.

- Be sure to face each speaker straight ahead (toward the listening area), so that it covers the broadest listening area.

Angling one or both speakers into or away from the listening area significantly alters system performance.

Figure 4
FiDA Speaker placement



- If you are using a bookshelf or a home entertainment unit, place each speaker at the front edge of its shelf.

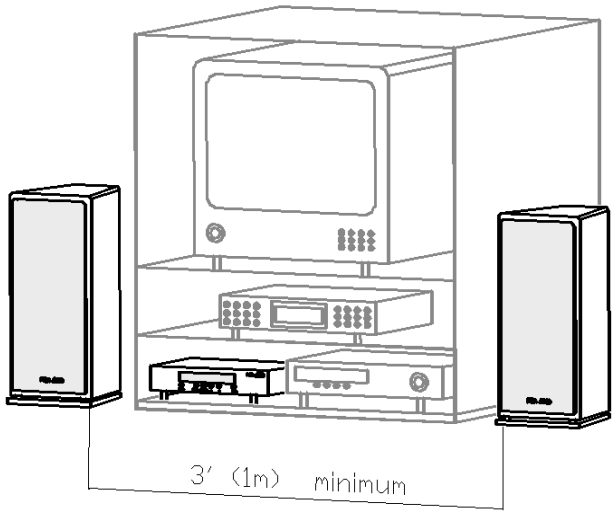
Positioning these speakers farther back in an enclosed space can change the overall quality of sound and alter the system performance.

- If you are placing the speakers on a flat surface, be sure to attach the small rubber feet to the bottom surface.

CAUTION: Choose a stable and level surface for both speakers. Vibration can cause the speakers to move, particularly on smooth surfaces like marble, glass, or highly polished wood. If needed, you stick additional rubber feed from attachment.

- Place the speakers at the left and right of your TV (Figure 5) and at roughly equal distance from it.

Figure 5
Place the speaker with other A/V equipment



ⓘ **Note :** The speakers are magnetically shielded to prevent interference when they are near the TV.

- Try to maintain at least 3 feed (1 meter) of space between the two speakers.
- Place the speakers no more then 3 feet (1 meter) from the edges of the TV screen.

We recommend a maximum distance of 6 feet (2 meter) from each speaker to the edge of the TV screen to prevent the sound from becoming too separated from the picture. You may vary this distance, however, based on room conditions and your personal preference.

- Keep both speakers at approximately the same height.

Selecting a location for the Digital Amplifier

The Digital Amplifier is designed to be the kernel part of this system. It can be placed under or above other AV equipment.

Make sure your choice is both convenient and safe
Place the Digital Amplifier in a location that is convenient (together with other AV equipment) but roomy enough for ventilation from the side and rear panel. Consider the guidelines below when choosing a location.

Place the Digital Amplifier on a flat surface where it is :

- within reach of an AC (mains) power outlet

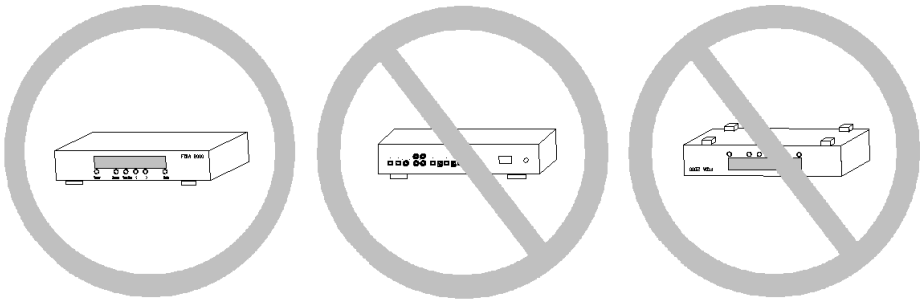
- no more than 3 feet (1 meters) from the audio source equipment.
- at the same end of the room as the TV and speakers.
- a minimum of 3 feet (1 meter) from TV to prevent the possible interference from **FiDA** speaker, which TV could not be magnetically shielded properly.

CAUTION: Although **FiDA** speaker is magnetic shielded but it still generates a magnetic field. This is not an immediate risk to your magnetic media like video tapes, audio-tapes but you should not store any of these items directly on or near the speaker enclosure.

Be sure to :

- aim the port of the speaker away from the wall to decrease bass or toward the wall to increase bass (maintain at least **3 inches from the wall**)
- stand the Digital Amplifier stable and flat. Do not lay it on its side or stand it on either end (Figure 6).
- attach the rubber feet to the bottom of each leg on the speaker enclosures. The rubber feet provide increased stability and protection from scratches.

Figure 6
Orientation of
Digital Amplifier

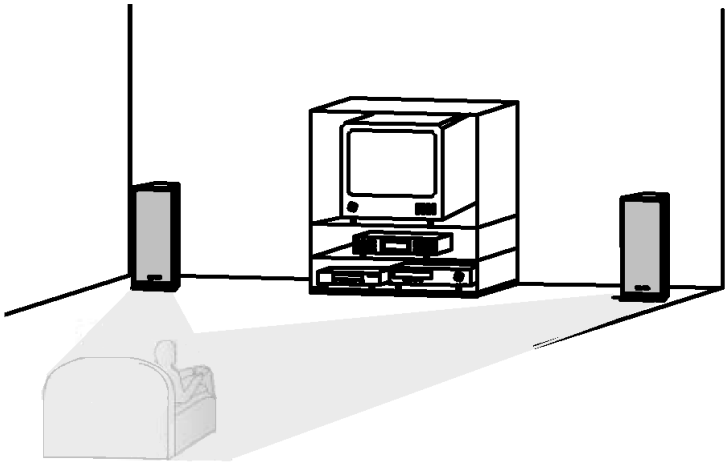


CAUTION: Do not put the Digital Amplifier in a close cabinet or stack with other A/V devices closely, its metal housing provides heat-sinking for the built-in circuitry.

Enjoying the freedom this system allows

When the **FiDA** Digital Amplifier and speakers are placed as directed, you can enjoy the freedom to sit, recline, or move about the room while enjoying the full performance of this advanced digital audio system (Figure7).

Figure 7
System placement from ideal coverage



Making system connections

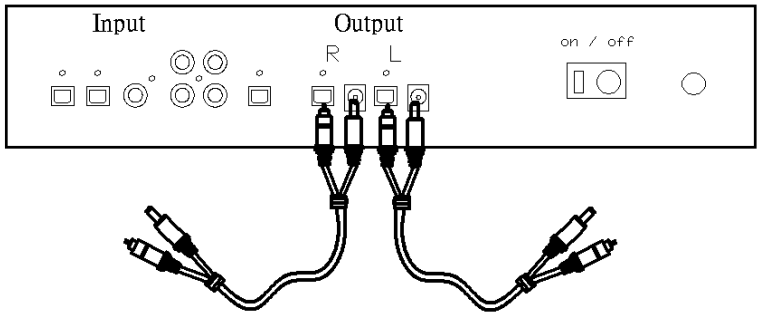
Labeled jacks on the rear of the Digital Amplifier and the custom cables supplied with the system ensure a fast and easy hookup.

CAUTION: Do not plug the Digital Amplifier into an AC power (mains) outlet until all the source components are connected it.

Follow these basic steps

1. On the rear panel of the Digital Amplifier, insert the Optical-DC end of **FiDA** speaker cable into the **FiDA** speaker output connectors (Figure 8).

Figure 8
Speaker cable connection to the Digital Amplifier



2. At the other end of **FiDA** speaker cable, grasp the two connectors and pull the cable as much as necessary to reach each speaker.

3. Plug the connectors of the Optical-DC cable into the rear jack on the LEFT speaker (to the left of the TV as you face it) and the other connector into the rear jack on the RIGHT speaker (to the right of the TV). LEFT or RIGHT is labeled on the **FiDA** speaker rear panel. (Figure 9)

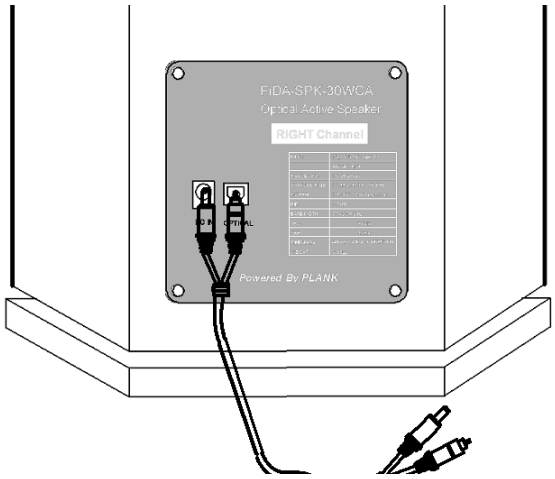


Figure 9
LEFT and RIGHT marking on the speaker

4. On the Digital Amplifier, insert the audio source cable connector into the jack labeled with an input symbol (Figure 10).

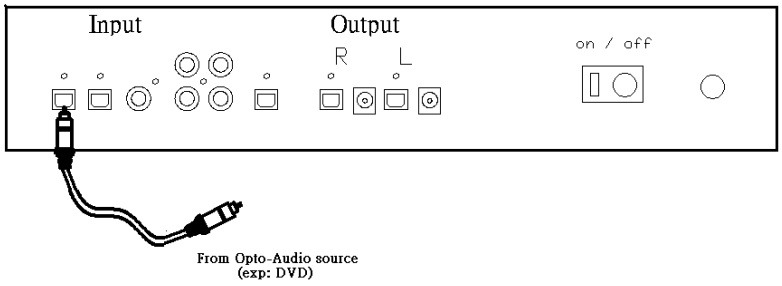


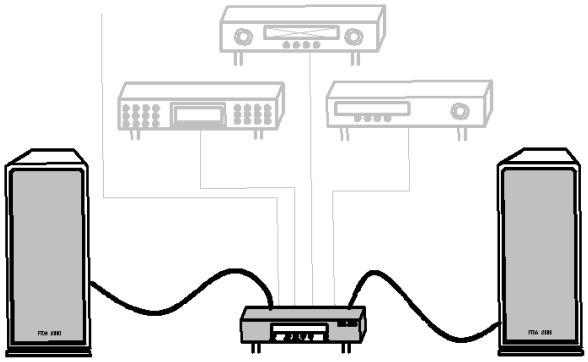
Figure 10
Input source cable connection

ⓘ **Note :** A variety of length Optical, Optical-DC cables are available fromPlank. If you need it, contacting Plank or authorized distributors to order it, refer to the Plank website : http://www.plank.com.tw.

Connecting sources

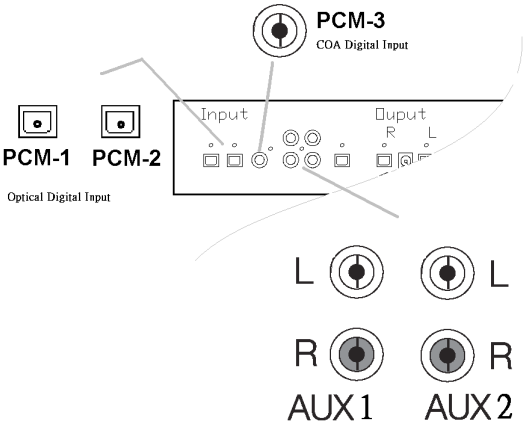
After all of the **FiDA2000®** system parts are connected (Figure 11), use the jacks on the Digital Amplifier to connect the audio outputs of DVD player, game console, TV/VCR, or other audio components.

Figure 11
Typical **FiDA2000** system connection as Home Audio Center



There are five input jacks on the Digital Amplifier, marked PCM-1(optical Toslink), PCM-2(Optical Toslink), PCM-3(Coaxial), AUX-1(RCA) and AUX-2(RCA) and multiple possibilities for the connecting optical, digital and analog equipment to them, please refer to Figure 12..

Figure 12
Source input connection jacks on the back of Digital Amplifier



Refer to the preferred and alternate system connection options that are described and illustrated on page 14.

Note : If you have more than two component with S/PDIF optical outputs, you can connect that one by using its analog audio ouputs instead. You can connect the left and right analog inputs to the audio source L&R ouputs on the AV equipment.

Or you can use the coaxial output from equipment.

- **CAUTION : FiDA2000®** system **DIDN'T support Dolby Digital, DTS and THX decoding,** please be sure to setup your audio source in S/PDIF or PCM format at the equipment if you are using OPTICAL audio signals.

Follow whatever plan works best

When you decide on the best choice for your setup, connect your sources as shown in the diagram that applies.

Preferred audio center connection

For optical audio reproduction – a big feature on many of today's latest DVD, CD and game titles – we recommend connecting the optical cable (which provided with the **FiDA2000®** system) from the optical output of your audio equipment to the **FiDA2000®** Digital Amplifier input jack PCM-1 or PCM-2.

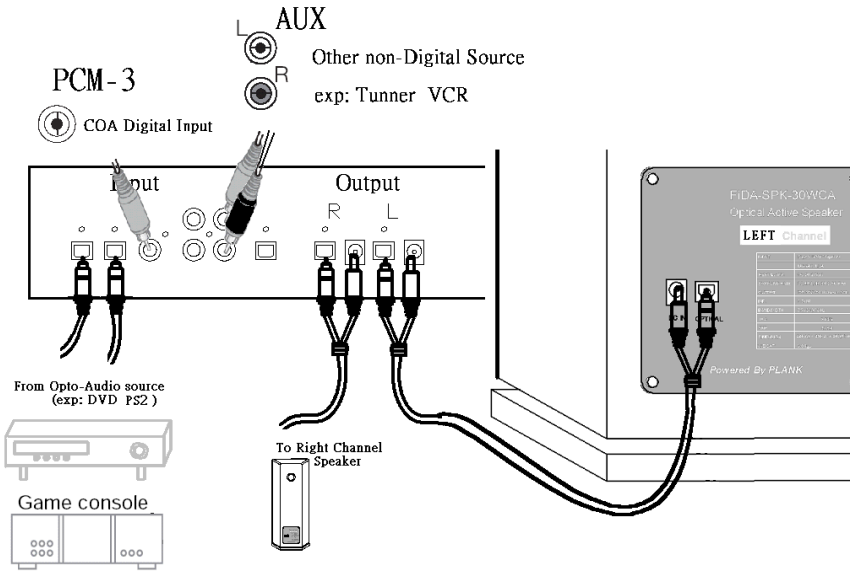


Figure 13
Optical audio source connections

Note : FiDA2000® system didn't support Dolby Digital, DTS and THX decoding, please be sure to have your audio equipment output in S/PDIF or PCM format by software or hardware setting.

Digital audio equipment, like a cable or satellite box or multi-disc changer, is ideal for use with the AUX jack.

Making connections as suggested above is the most efficient way for you to enjoy outstanding audio performance from a variety of A/Vequipment.

Alternate connection choice

If your game console does not support optical output, or you choose not to use itfor some other reason. Instead, you can use the RCA connections of your game console to connect with **FiDA2000®** system.

This still allows you to connect digital equipment, such as cable or satellite box or multi-disc changer, directly to one of the digital input jacks (Optical or Coaxial) on the Digital Amplifier.

Connecting audio to the input labeled AUX

When connecting audio from a AV equipment to the AUX jacks on the Digital Amplifier, remember to :

- use standard RCA audio cables (one is supplied with **FiDA2000®** system)
- match the red connector to the right channel (R) and the white (or black) connector to the left channel (L)
- use a Y-adapter (available at electronics stores) to connect to a mono source or headphone jack.

For further details on the making the audio connections between your audio, video devices or game console, refer to the manuals for those equipment.

① **Important Note :** Your television **must be set** for VIDEO INPUT when playing a game console. If it is not set properly, you may hear the sound, but will not see the pictures on the TV screen.

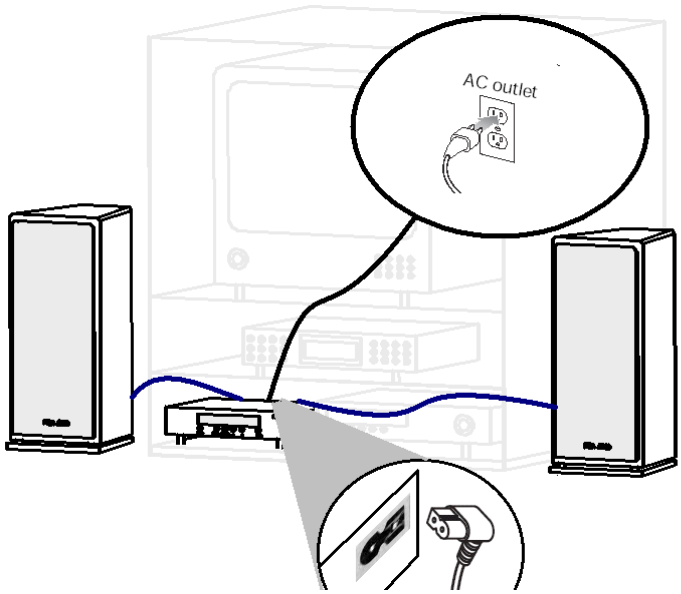
For the most TV models, there is a button labeled TV/VIDEO, INPUT, or AUX IN (or a similar term) for you to use. When the video input is correctly selected, the word VIDEO, AUX, or LINE IN usually appears in a corner of TV screen.

If you are unable to locate the video input of your television, please consult the manufacturer of your TV.

Make the power connection after all the others

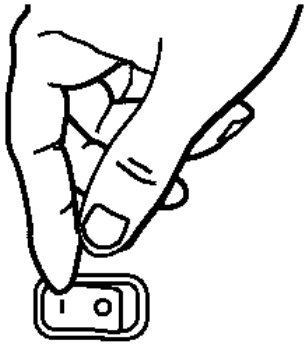
To make the final connection, insert the small connector end of the power cord into the AC INPUT jack on Digital Amplifier. Insert the large end of the power cord into an AC power (mains) outlet (Figure 14)

Figure 14
Power cord as final connection



Turn on the power switch on the back panel of Digital Amplifier (Figure 15).

Figure 15
Power switch on the back of the Digital Amplifier



Turning off the internal speakers in your TV

When you listen to TV sound through your **FiDA2000®** Fiber Digital Audio System, the speakers in your TV should not be on. Use the on-screen menus in your TV to select INTERNAL SPEAKERS : OFF (the exact on-screen message may be different). Refer to your TV owner's guide for detailed instructions.

If your TV does not have an option to turn off the internal speakers, reduce the volumes of your TV by using its lowest setting.

Operation

Using the system

With the battery already installed in the remote control, pulling out the insulation spacer, your **FiDA2000®** system is now ready for use.

ⓘ **Note :** Be sure to point the remote control directly at the receiver module(at the left part of Digital Amplifier display unit) when you press a button.

- To turn your system on, simply press power button on rear panel of Digital Amplifier (Figure 15) then press the power button on front panel or on remote controller. This turns on the **FiDA2000®** speakers and plays the source connected to the Optical, Coaxial, or Analog Audio input.
- To change your source selection, press the source button for the source you prefer.
- To adjust the volume of the selected source (which may vary noticeably from one component to the next), use the left (◂) and right (▸) volume arrows on front panel or up (▲) and down (▼) volume arrows on remote controller.
- To turn the system off, press the power buttonon front panel or remote controller.

ⓘ **Note :** While the remote control selects the source of the sound you will hear through the **FiDA2000®** speakers, it cannot turn on that source. Use the power button on the equipment, or on the remote provided with it, to turn the component on or off. Refer to the owner's guide that came with it for information on use of the equipment.

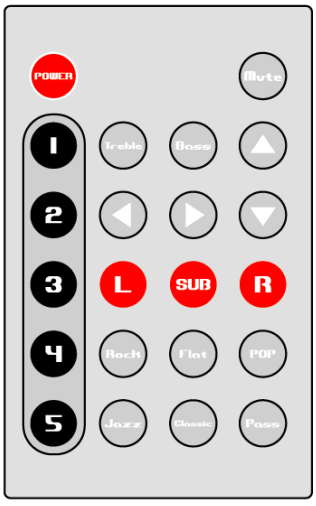


Figure 16
Remote
Controller buttons

Operation

Using the Power button (Default : Off)

After the power button on rear panel of Digital Amplifier was pushed ON, simply press the power button to power on the system afterward.

Using the Volume button (Range : 0 – 50, default : 20)

Use the Volume button when you want to adjust the volume of the selected source, press the up (▲) to increase and down (▼) to decrease volume level.

Using the Mute button (Default : Off)

Use the Mute button when you want to immediately silence the speakers.
Press the button once to mute the speakers and again to un-mute them.

Using the Speaker Volume button (Range : 0 – 20, default : 15)

- Use the (L), (SUB), (R) button to select the LEFT, Subwoofer(optional) or RIGHT speaker.
- When you want to adjust the volume of the selected speaker, press the left (◂) to decrease and right (▸) to increase volume level.

Using the Tone control button (Range : -15– +15, default : 0)

- Use the (Treble), (Bass) button to select the tone.
- When you want to adjust the selected tone, press the left (◂) to decrease and right (▸) to increase tone level.

Using the Equalizer button (Default : Pass)

There are five pre-set Equalizer in the system, including (Rock), (Flat), (POP), (Jazz) and (Classic). Use the button to select the equalizer you like or press (Pass) to enjoy the default original sound.

Using the Source buttons (Range : 1 – 5, default : 1)

Pressing one of the five source buttons selects and plays the equipment connected to that input.

Taking care of your FIDA2000 Fiber Audio System

Caring for your system may include cleaning the speaker enclosures and replacing the remote control battery.

Cleaning the speakers

- Clean the surface of your speakers with a soft, damp cloth. You can use an ammonia-free window cleaner on a soft cloth to maintain the finish.
- Do not use any sprays near the Digital Amplifier and speaker enclosures. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives.
- Do not allow liquids to spill into any openings.
- The speakers' grilles require no special care, although you may vacuum them carefully, if necessary.

Replacing the remote control battery

- **WARNING :** Keep the remote controller battery away from children. It may cause a fire or chemical burn if mishandled. Do not recharge, disassembled, heat above 100°C (212°F), or incinerate. Dispose used battery properly. Replace only with a battery of the correct type and model number.
- **CAUTION :** Danger of explosion battery is incorrectly replaced. Replace only with the same or equivalent type.

1. Place the remote control face down on a flat surface.
2. Using your finger, push the tab lock to the gap space side and hold as shownon the remote controller cover back or in Figure 17 . Slide the batter compartment open and remove the spent battery.

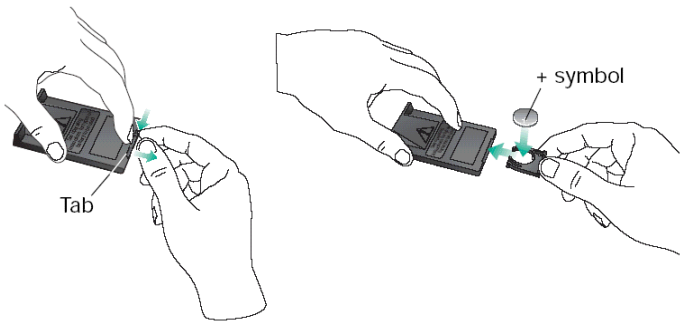


Figure 17
Locating the Remote Controller tab-tape safety lock

ⓘ **Note :** Use only a **CR2025 3V lithium battery** (available at electronics stores). If you have difficulty finding a replacement battery, contact Plank Customer Service.

For contact information, refer to the website : http://www.plank.com.tw.

3. Keeping the remote control face down, insert the new battery into the compartment with the + symbol facing up.
4. Gently slide the battery compartment closed. The battery compartment lock tab locks automatically.

Radiation regulations certified

Product	:	Optical Digital Audio System
Model No.	:	FiDA2000
FCC	:	FCC Part 15, Subpart B, Class B
		ANSI C63.4 : 2003
CE	:	EN 55013 : 2001
		EN 61000-3-2 edition 2:2000
		EN 61000-3-3 : 1995 + A1:2001 + A2 : 2003
		EN 55024 : 1998 + A1 2001 + A2 2003

Trouble Shooting

Problem	What to do
System doesn't do anything	● Make sure the power switch on the Digital Amplifier is turned on and Power button was pressed. See Figure 15. ● Make sure the power cord is inserted securely into the Digital Amplifier and plugged firmly into an operating AC wall outlet. ● Be sure to select a source connected to DVD player, Game, AUX. ● Unplug the Digital Amplifier power cord from the outlet for a minute then reconnect it. This allows the unit to reset itself.
No sound (while using the optical input)	● Increase the volume. ● Check to see if the sound source is muted. Press the remote control Mute button to un-mute it. ● Make sure you have selected the S/PDIF or PCM stereo track, all of which are supported by this system. AC-3, DTS and THX signals are not supported. ● Make sure the Interface connectors and speaker cables are both firmly seated in the jacks on the Digital Amplifier. ● Check speaker connections ● Check the connections of sound-source components. Make sure to select the correct source for the desired input. ● If the source is a disc player, make sure a disc is placed in its tray. ● Turn the Digital Amplifier OFF for 10 seconds, then ON again, to restore communication between the Digital Amplifier and the speaker enclosures. ● Unplug the power cord from the outlet for a minute then reconnect it. This allows the unit to reset itself.
Sound but no picture	● Make sure the TV is on. ● When playing a video source, make sure the TV is set for the proper video input.

Remote control is inconsistent of does not work	● Check the battery to be sure it is installed properly. See “Replacing the remote control battery” on figure 17. ● Point the remote control at the center of Digital Amplifier. ● Relocate the Digital Amplifier, making sure it is in a clear line of sight to the remote and there are no obstructions.
Sound is distorted	● Make sure speaker cables are not damaged and connections are secure. ● Reduce the output level from any equipment connected to Digital Amplifier.
Different languages are being reproduced by the two speakers	● Press the source button one or more times until you hear the language you want from both speakers. This situation occurs only when you select a digital source and that source material is being broadcast in more than one language. Pressing the source button allows you to toggle from that language to a second language ….to both languages then back to the first language.

Reference

Customer service

For additional help in solving problems, contact Plank Customer Service. Refer to the website : http://www.plank.com.tw

Warranty

The **FiDA2000®** speaker system is covered by a limited transferable warranty. Details of the warranty are provided on the product registration care that came with your system. Please fill out the information section on the card and mail it to Plank dealers.

Accessories

For further information or to order Optical-DC cable or optical cable, contact your Plank dealer or call Plank directly, refer to the website : http://www.plank.com.tw.

Technical information

Power rating Full range : 100V – 240 VAC, 60Hz, 120W
Source Inputs Optical Digital (S/PDIF / PCM) x 2 Coaxial Digital (S/PDIF / PCM) x 1 AUX Analog x 2
Dimensions Digital Amplifier : 2 1/2”Hx 12 3/5” W x 7 7/8” D (6.5cm x 32.0cm x 20.0cm) Speakers : 21”H x 8 2/3” W x 10 1/4” D (53cm x 22cm x 26cm)
Characters Digital Amplifier : SNR : > 96dB THD : < 0.08% Bandwidth : 20Hz – 20KHz Satellite Speaker Output Power RMS 30 Watts per channel at THD=0.08%, PMPO up to 1,020 Watts
Weight Digital Amplifier : 3.85lb (1.75 kg) Speaker : 16.50lb (7.5kg) each
Finish Speakers : Wood Digital Amplifier : Aluminum

PLANK
DIGITAL AUDIO
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Digital Audio Product Division
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