

"Pro HD" high definition player

AVeL Link Player

SRDVD-100U

User's Manual

Read the attached "Setup Guide" before using this product. Keep this manual and "Setup Guide" in a secure place for future reference.

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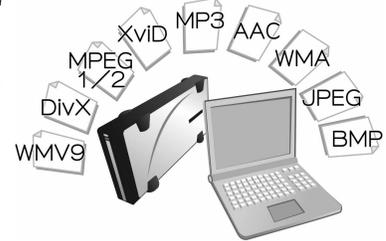
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Functions of the AVeL Link Player

The AVeL Link Player can be connected to a TV to play DVD-Videos as well as movies and other audio/video files stored in a network computer.

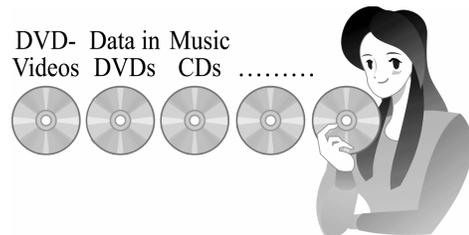
Play videos, music and images stored in a computer or UHDL SERIES of I-O DATA DEVICE, INC.!

You can play movies stored in a network computer or UHDL SERIES of I-O DATA DEVICE, INC.



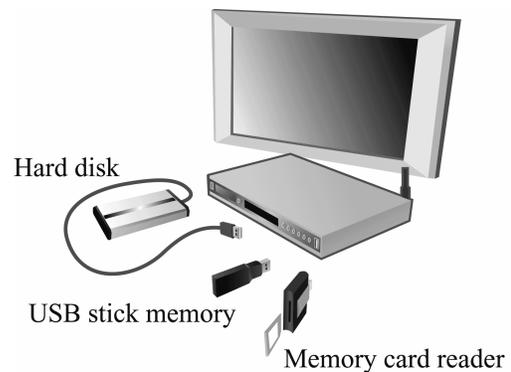
Play DVDs and CDs!

You can play videos, music and images stored in various media including video CDs, music CDs and recordable DVDs.



Play data from a USB equipment!

You can play videos, music and images stored in a USB equipment such as USB compatible hard disk or memory card reader.



Important Safety Information

The following describes cautionary items that must be observed to prevent injury to the user or property damage, and to ensure the safe, correct use of this product. Be sure to observe the items described below when using your AVeL Link Player. Note that some instructions cover products in general, in addition to the AVeL Link Player manufactured by I-O DATA DEVICE, INC.

■ Warnings and Cautions

 Warning	Inappropriate handling without observing the instruction given may result in death or serious injury of the user.
 Caution	Inappropriate handling without observing the instruction given may result in minor injury of the user or property damage.

■ Meaning of Symbols



This symbol indicates a caution (or warning).

The specific item requiring caution/warning is described inside or near the symbol.

Example)  indicates "Fire Hazard."



This symbol indicates a prohibited action.

The specific action being prohibited is described inside or near the symbol.

Example)  indicates "Do Not Disassemble."



This symbol indicates a required action.

The specific action being required is described inside or near the symbol.

Example)  indicates "Disconnect Power Plug."

Warning



Disconnect Power Plug

If you have detected abnormal heat, smoke, noise or smell, immediately stop using the product.

In the event of an abnormality, turn off the power and disconnect the power plug from the power socket. Continuing to use the product may result in electric shock or fire.



Do Not Disassemble

Do not repair, modify or disassemble the product.

Doing so may result in fire, electric shock, burns or malfunction.

Should you require repair, contact our repair service section.

We reserve the right to charge the user, even during the warranty period, for repair of any damage resulting from an unauthorized disassembly or modification.



Prohibited

Do not block the air vent.

The air vent is provided to prevent the temperature inside the product from rising. Do not block the air vent by placing an article on or against the air vent. Doing so may cause the internal temperature to rise, resulting in fire or breakdown.



Prohibited

Do not place an object inside the equipment.

Do not place a metal piece or other flammable object inside the equipment.

Doing so may result in fire or electric shock.



Electric Shock Hazard

Do not remove the case cover.

Many of the internal parts are charged with high voltage. Touching these parts will put life in danger.



Strictly Observe

Firmly insert the power plug.

Confirm that the power plug is free from attachment of dust, and then insert the plug firmly all the way to the end. An incompletely connected power plug may result in fire due to poor contact.



Prohibited

Do not step on the product.

The product may tip over or break, resulting in injury or breakdown.

* In particular, pay attention to small children playing with the product.



Do Not Wet

Do not wet the product.

Exercise special caution when using the product on the beach or near water, or in any other outdoor location or near a window on a rainy day.



Strictly Observe

Disconnect the power plug to turn off the power.

Pressing the **POWER** button alone will not completely cut off the power supply. If the product will not be used for a long period of time, disconnect the power plug from the power socket. Failure to do so may result in damage or breakdown of the product in the event of lightning, etc.



Prohibited

Exercise caution when handling the cables.

Use the supplied cables and handle them with care by observing the instructions given below. Inappropriate handling may damage the cables, resulting in fire or electric shock.

- Do not place an object on the cables.
- Do not bend the cables.
- Do not modify the cables.
- Do not pull the cables.
- Do not compress the cables.
- Do not use the cables near a heating equipment.



Strictly Observe

Connecting/disconnecting the power plug.

- When connecting/disconnecting the power cable, always do so by holding the plug. Pulling the cable may cause the cable to partially break, resulting in fire.
- When connecting/disconnecting the power plug to/from the power socket, make sure your hands are dry. Handling the power plug with wet hands may result in electric shock.
- Do not place any article around the power socket, because it will obstruct quick disconnection of the power plug when necessary.



Prohibited

Do not drop or apply impact on the product.

Do not drop the product, hit it against an object, or otherwise apply impact on the product. Once the product receives impact, fire or electric shock may result from subsequent use.



Prohibited

Do not use this product in the places listed below.

Failure to do so may result in breakdown.

- Humid place
- Place subject to vibration or shock
- Place subject to steep temperature gradient
- Place exposed to the direct sun
- Place subject to high temperature, such as inside a closed car



Prohibited

Do not place any object on the product.

Doing so may cause the product to damage, or result in fire or electric shock. In particular, a flower vase, planting pot or other container filled with liquid can cause fire or electric shock if it tips over and spills the liquid.

If a foreign matter has entered the product, immediately turn off the power switch and disconnect the power plug from the power socket.

- Dusty place
- Place where the air vent will be blocked
- On an unstable foundation
- Near a heating equipment
- Poorly ventilated place or narrow space



Warning



**Strictly
Observe**

Moving to a cooler place

If the product is moved from a cold place to a warm place, bedewing may occur on the exterior surface of or inside the product. Continuing to use the product with dews attached on the surface or internal parts may cause fire or electric shock.

After moving the product, let it assimilate several hours in the new environment without turning on the power.



Prohibited

Do not damage the power cable.

- Do not place a heavy object on the cable.
- Do not pull the cable.
- Do not modify the cable.
- Do not forcibly bend the cable.
- Do not lay another cable together.
- Do not kink the cable.
- Do not heat the cable.



Prohibited

Do not charge the batteries.

Doing so may cause battery fluid to leak, resulting in injury or burns.



Prohibited

Do not use the product after dropping or otherwise damaging it.

Doing so may result in fire or electric shock.



Prohibited

Do not touch leaked battery fluid with bare hands.

If battery fluid gets into the eye or contacts the skin or clothes, blindness, injury or skin inflammation may occur.

What to do when battery fluid got into the eye

- ⇒ Do not rub the eye. Immediately rinse the eye under clear running water, such as tap water, to wash away the battery fluid completely, and then immediately seek medical attention.

What to do when battery fluid contacted the skin or clothes

- ⇒ Immediately rinse the affected area under clear running water, such as tap water, to wash away the battery fluid completely. If there is a symptom of skin inflammation or injury, seek medical attention.



Prohibited

Observe the instructions given below regarding the batteries.

Failure to do so may cause battery fluid to leak, resulting in injury or burns.

- Do not put the batteries in fire or heat, disassemble, modify or wet the batteries.
- Do not connect the positive and negative sides in reverse.
- Do not short the positive and negative sides with a metal piece or use solder on the batteries.
- Do not drive a nail into the batteries or disassemble/modify the batteries.
- Do not carry the batteries together with a necklace, hair pin or other metal object.
- Do not leave the batteries in a car or other place subject to high temperatures of 60° C or above.
- Do not put the batteries in a microwave oven or conventional oven.
- Do not use the batteries under conditions outside the ratings.
- Do not mix new and old batteries or dry batteries of different types together.



**Strictly
Observe**

Keep the batteries away from small children.

If swallowed, a battery may cause suffocation or damage the stomach or other internal organs. If a child accidentally swallowed a battery, immediately seek medical attention.



**Strictly
Observe**

Observe the instructions given below regarding the power cable.

- Be sure to use the supplied or specified power cable.
- Do not modify, forcibly bend, kink or pull the power cable.
- When disconnecting the power cable from the AC outlet, be sure to hold the cable by the plug. Pulling the cable may cause wire breakage or short circuit, resulting in fire or electric shock.
- Do not connect or disconnect the plug of the power cable to/from the AC outlet using wet hands. Doing so may result in electric shock.
- Do not touch the product with wet hands while the power cable is connected to the AC outlet. Doing so may result in electric shock.
- If the product will not be used for a long period, disconnect the power cable from the power source. Leaving the power cable connected to the power socket for a prolonged period will consume electricity and may result in heating.

Caution



**Disconnect
Power
Plug**

Touching the metal and other surfaces of the product.

If abnormality is found in a metal or plastic part of the product after relocation, etc., turn off the power and disconnect the power plug from the power socket. Continuing to use the product may result in electric shock or fire. Also, do not place any article around the power socket, because it will obstruct quick disconnection of the power plug when necessary.



**Strictly
Observe**

About the cables

- Wire the cables carefully so that they will not be accidentally pulled with a leg, etc. If the cables are pulled with an excessive force, an injury may result or the connected equipment may sustain damage.
- Do not place a heavy object on the cables or wire them near a heating equipment. Doing so may tear the cable cover, resulting in poor contact or other problem.



**Strictly
Observe**

Install the product in the specified orientation.

Do not install the product sideways or upside down.



Prohibited

Do not place the product on an unstable foundation.

Placing it on a wobbly base or tilted surface may cause the product to drop or tip over, resulting in breakdown or injury.



**Strictly
Observe**

When the batteries have been consumed or the product will not be used for a long period, take out the batteries.

Leaving the batteries in the product may cause battery fluid to leak due to overdischarge, resulting in injury or burns. Should battery fluid leak, thoroughly clean the areas around the battery case using a dry cloth, etc., and then install new batteries.



Prohibited

Do not move the product with the cables connected.

Doing so may damage the power cable, resulting in fire or electric shock.
Move the product after confirming that the power cable, antenna wire and other connection cables have been disconnected.



Prohibited

Do not turn off the power while the product is sending/receiving data.

Doing so may cause breakdown or loss of data.



**Strictly
Observe**

Observe the instructions given below regarding the handling of medium.

- When holding a medium directly, do not touch the shiny surface.
Secure the medium between fingers hooked at the outer rim or by hooking one finger at the center hole and another at the outer rim.



- Do not attach a paper or sticker on a medium to ensure the medium will be played properly and also to prevent vibration or spinning noise from increasing.

- Never use a cracked or warped medium. Do not put together broken pieces of a medium using tape or adhesive. A medium spins at high speed in the product, so playing a damaged medium can create danger.



- Insert a medium into the drive after making absolutely sure that nothing is attached on the medium (DVD-R or CD-R medium divider, etc.). Inserting a medium together with a divider, etc., may cause breakdown.

Do not see the internal laser beam directly.

Doing so may result in visual impairment. Never look into the internal mechanism.

**DANGER : VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN.
AVOID DIRECT EXPOSURE TO BEAM.**

CAUTION : DVD NETWORK PLAYER IS A CLASS 1 LASER PRODUCT. HOWEVER, THIS PLAYER USES VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.

CAUTION : When this player is plugged to the wall outlet, do not place your eyes close to the opening of the disk tray and other opening to look into the inside of this player.

CAUTION : Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

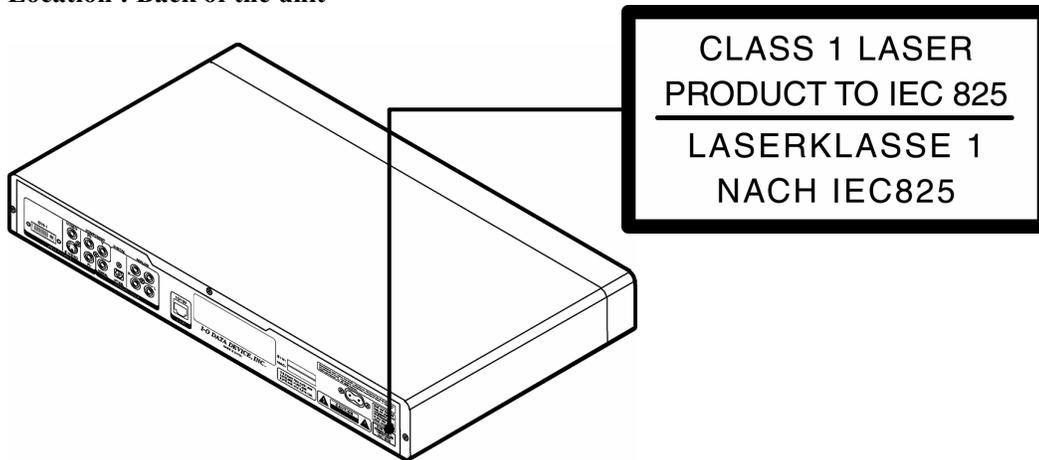
CAUTION : Do not open covers and do not repair yourself. Refer servicing to qualified personal.

WARNING : To reduce the risk of fire or electric shock, do not expose this player to rain or moisture.

WARNING : To reduce this risk of fire ro electric shock, and annoying interference, use the recommended accessories only.

The following caution label appears on your unit.

Location : Back of the unit



Important Safety Information

FCC Notices

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's Authority to operate the equipment.

NOTE>>>

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generated uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instruction manual, may cause interference with radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.



**Tested To Comply
with FCC Standards**

FOR HOME OR OFFICE USE

FCC CAUTION

Properly shielded the grounded cables and connectors must be used for connection to host computer and/or peripherals in order to meet FCC emission limits.

For Canadian model / Pour le modèle Canadien

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Precautions for Use

Supported Formats

- **Supported Video Formats** (* The figures are peak values. As for the bit rate, both the CBR and VBR systems are supported.)

Format	Wired LAN	DVD	CD	USB 2.0	USB 1.1
MPEG-1,MPEG2-PS,MPEG2-TS	19Mbps	19Mbps	4Mbps	19Mbps	3Mbps
DivX,XviD	1.5Mbps	1.5Mbps	1.5Mbps	1.5Mbps	1.5Mbps
WMV9	8Mbps	8Mbps	4Mbps	8Mbps	3Mbps

* AVI files can be played only when they are interleaved.

If a non-interleaved file is played, either video or audio will not be played properly. Make sure the file you want to play is interleaved.

For interleaving of a file during the file creation process, refer to the Help screens or manual of the encoding application you are using.

* DivX files encoded with GMC, Quarter Pixel or Adaptive Multiple Consecutive setting cannot be played.

* Copyright-protected WMV9 Janus files cannot be played.

- **Supported Audio Formats** (* The figures are peak values. As for the bit rate, both the CBR and VBR systems are supported.)

Format	Bit rate	Sampling rate
MP3	64k~192kbps	32k/44.1k/48kHz
WMA (excluding WMA9Pro)	64k~192kbps	44.1k/48kHz
PCM(WAVE)	In conformance with the sampling rate shown to the right.	32k/44.1k/48kHz
Ogg Vorbis	64k~192kbps	—
AAC	64k~192kbps	32k/44.1k/48kHz

* Copyright-protected WMV9 Janus files cannot be played.

- **Supported Image Formats**

Format	Resolution	Display method
JPEG	2048×1536	Network ^{*1}
	1600×1200	DVD/CD, USB, UHDL ^{*2}
BMP	2048×1536	Network ^{*1}
GIF	2048×1536	Network ^{*1}
PNG	2048×1536	Network ^{*1}

*1 Network refers to wired LAN connection.

*2 Maximum resolution for progressive JPEG is 1280×720.

- **Limitations on Video File Size**

Format	Maximum file size
AVI(DivX, XviD)	2GB
AVI 2.0(DivX, XviD)	Varies in accordance with the format specification of the disk in which the file is saved. (Example: 4 GB if the disk format is FAT32, or 2 TB if the disk format is NTFS)
MPEG	
WMV9	

How to Care

- To remove soiling on the cabinet or operation panel, wipe the soiled area gently using a soft cloth.
- To remove stubborn stains, wipe with a cloth that has been moistened with water-diluted neutral detergent and wrung tightly, and then remove excess liquid using a dry cloth. Do not use benzine, thinner or other solvent. Doing so may cause the surface material to deteriorate or coating to peel.
- When using a chemically treated cleaning cloth, follow the instructions for use provided by the manufacturer.

Updating the Firmware

I-O DATA DEVICE, INC. releases updated version of the firmware as they become available.

We recommend that you use the latest firmware version, because it often provides functional improvements and enhancements.

* Refer to "Updating the Firmware" (p.78) in this manual.

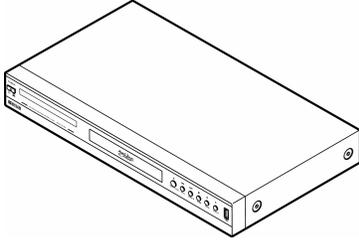
In order to update the firmware, the network to which your AVeL Link Player is connected must be able to connect to the Internet.

Checking the Items in the Package

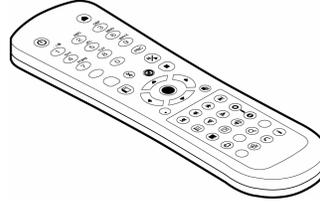
Select the check boxes to confirm that all items are included in the package.

Should you find any missing item, please contact our Support Center.

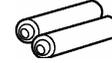
AVeL Link Player (1)



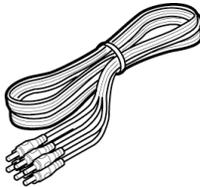
Remote Controller (1)



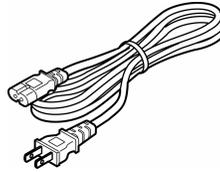
Remote Controller Batteries (2, AAA)



AV Cable (1)



Power Cable (1)



CD-ROM Containing Support Software (1)

Setup Guide (1)

User's Manual (this document)

Warranty Card (1)

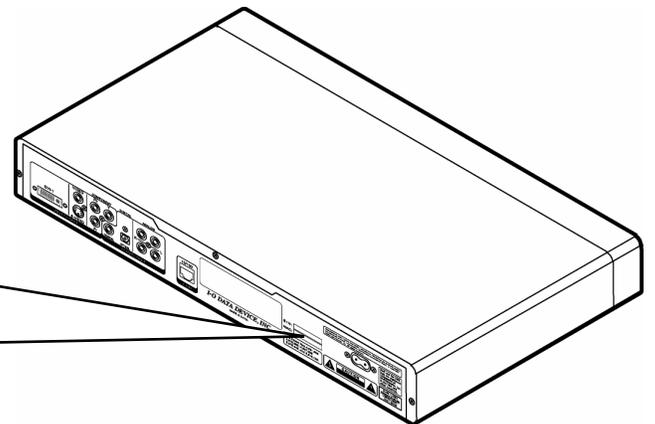
Sheet of customer service information (1)

S/N (Serial number)

S/N:

Mac:

Wired MAC access



Checking the Operating Environment

The types of computers that can be connected to the AVeL Link Player and supported operating environments are specified below. Check the model and operating environment of your computer once again.

Types of computers that can communicate with the AVeL Link Player	
Supported models	Supported operating systems
<ul style="list-style-type: none"> ● PC/AT compatible machine 	<ul style="list-style-type: none"> ● Windows XP ● Windows 2000 ● Windows 98 Second Edition
<ul style="list-style-type: none"> ● Macintosh series 	<ul style="list-style-type: none"> ● Mac OS X 10.4

Other required equipment		
LAN	Wired LAN	<ul style="list-style-type: none"> ● LAN adapter ● Straight LAN Cable * The LAN software must have been installed and set up.
CD-ROM drive		Required for installing the support software provided in the CD-ROM.

Video, audio and image formats supported by the AVeL Link Player
Video: MPEG-1, MPEG2-PS, MPEG2-TS, DivX [®] (3/4/5), XviD, WMV9 Audio: MP3, WMA(excluding WMA 9 Pro), PCM(WAVE), Ogg Vorbis, AAC Image: JPEG, BMP, GIF, PNG

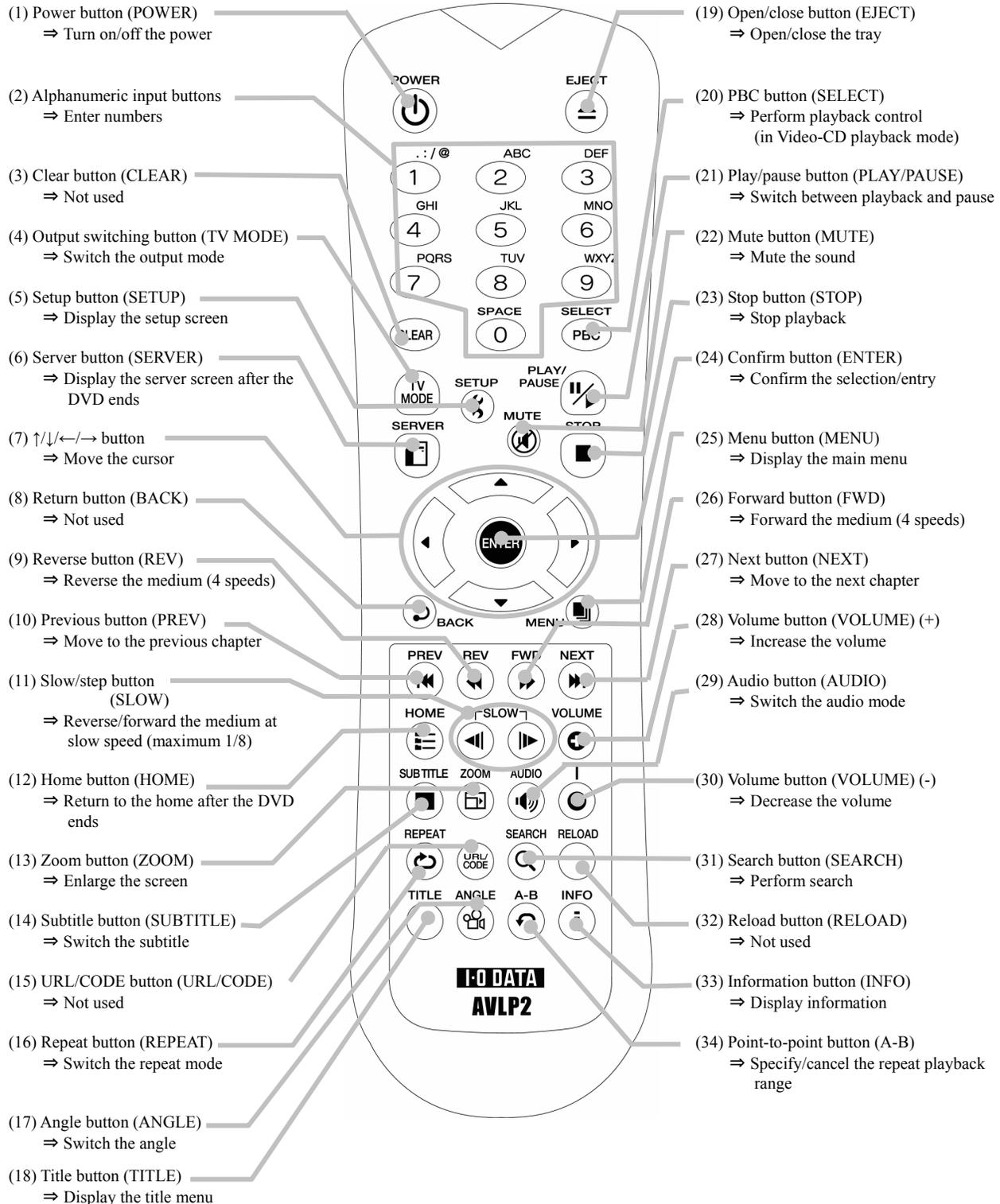
Disks supported by the AVeL Link Player
DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-ROM, CD-R, CD-RW, CD-ROM
* PacketWrite is not supported.

Devices connected to the USB port
USB mass storage devices formatted with FAT (16) or FAT32 (To find out if your USB equipment is a USB mass storage device, check with the manufacturer of the equipment.) * For the latest information regarding the recommended USB products for use with the AVeL Link Player, please log on to our web site (http://www.iodata.com/usa/).

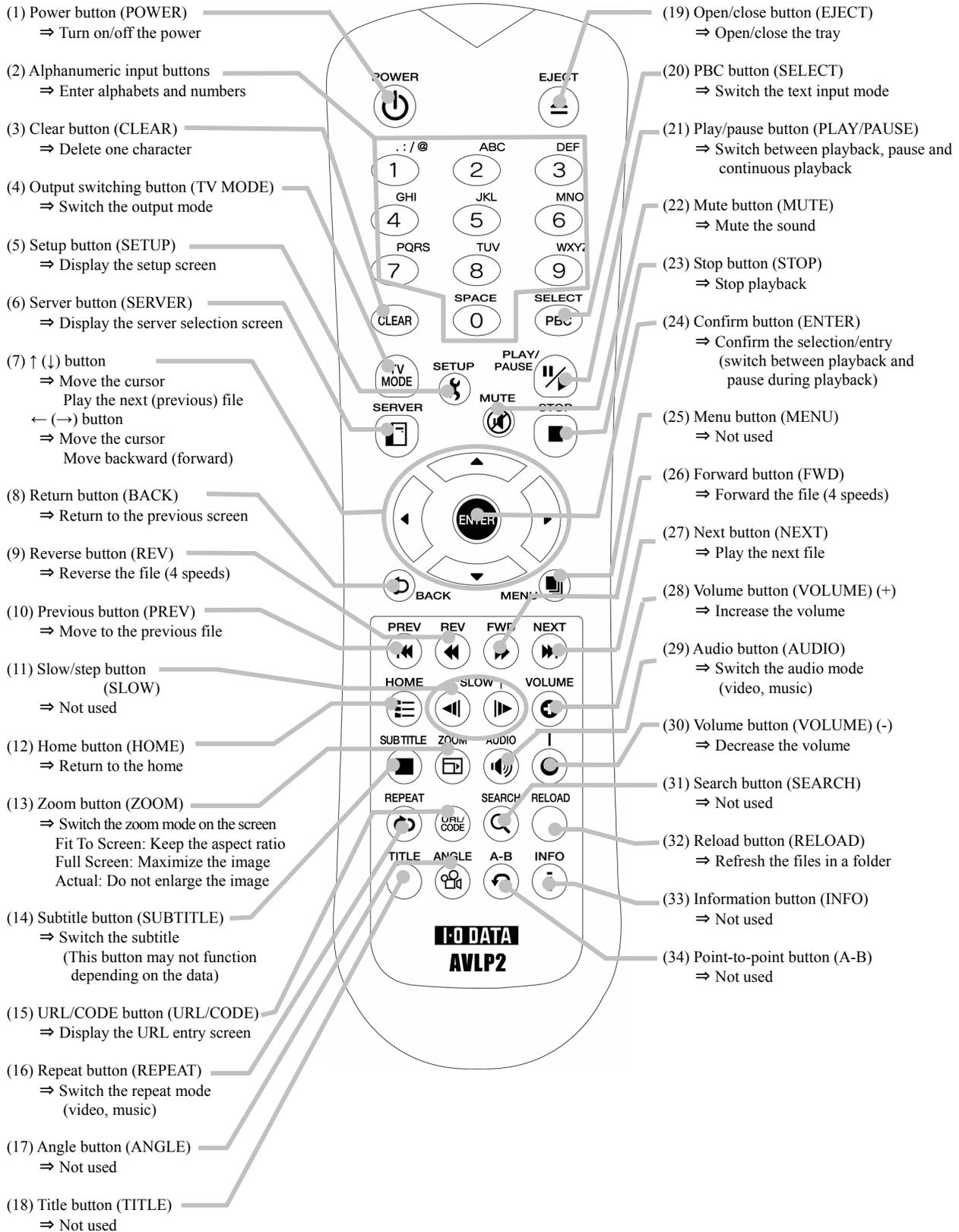
Name of Each Part

Remote Controller

• DVD Mode (Playback of DVD-Videos, Video CDs and Music CDs)



● **File Mode (Playback of Files in a Computer or Medium)**



● Detail Explanation of the Remote Controller

NO.	Button	Explanation																																																																																																																																																																																
(1)	POWER	Turn on/off the power to the AVeL Link Player. When this button is off, it means the AVeL Link Player is in the standby mode. Turn off the POWER button on the AVeL Link Player if the Link Player will not be used for a long period.																																																																																																																																																																																
(2)	Alphanumeric input buttons	<p>These buttons are used to enter text during setup. The mode will switch sequentially to CAPS LOCK ON, NUM LOCK ON and CAPS LOCK OFF each time the SELECT button is pressed.</p> <ul style="list-style-type: none"> ● CAPS LOCK ON mode (Entry of uppercase alphabets) <p>You can enter different characters by pressing each button quickly for an appropriate number of times, just like you do with your mobile phone.</p> <table border="1"> <thead> <tr> <th>Button</th> <th>Press once</th> <th>Twice</th> <th>3 times</th> <th>4 times</th> <th>5 times</th> <th>6 times</th> <th>7 times</th> </tr> </thead> <tbody> <tr> <td>1*</td> <td>1</td> <td>.</td> <td>:</td> <td>/</td> <td>@</td> <td>(</td> <td>)</td> </tr> <tr> <td>2</td> <td>A</td> <td>B</td> <td>C</td> <td>2</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>D</td> <td>E</td> <td>F</td> <td>3</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>G</td> <td>H</td> <td>I</td> <td>4</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>J</td> <td>K</td> <td>L</td> <td>5</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>M</td> <td>N</td> <td>O</td> <td>6</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>P</td> <td>Q</td> <td>R</td> <td>S</td> <td>7</td> <td>Return to "Press Once."</td> <td></td> </tr> <tr> <td>8</td> <td>T</td> <td>U</td> <td>V</td> <td>8</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>W</td> <td>X</td> <td>Y</td> <td>Z</td> <td>9</td> <td>Return to "Press Once."</td> <td></td> </tr> <tr> <td>0</td> <td>0</td> <td>SPACE</td> <td>Return to "Press Once."</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>* The character will change to ", ", "!", "?"..... when the button is pressed eight times or more.</p> <ul style="list-style-type: none"> ● NUM LOCK ON mode (Entry of numbers) <p>The numbers displayed on the remote controller are entered.</p> <ul style="list-style-type: none"> ● CAPS LOCK OFF mode (Entry of lowercase alphabets) <p>You can enter different characters by pressing each button quickly for an appropriate number of times, just like you do with your cellular phone.</p> <table border="1"> <thead> <tr> <th>Button</th> <th>Press once</th> <th>Twice</th> <th>3 times</th> <th>4 times</th> <th>5 times</th> <th>6 times</th> <th>7 times</th> </tr> </thead> <tbody> <tr> <td>1*</td> <td>1</td> <td>.</td> <td>:</td> <td>/</td> <td>@</td> <td>(</td> <td>)</td> </tr> <tr> <td>2</td> <td>a</td> <td>b</td> <td>c</td> <td>2</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>d</td> <td>e</td> <td>f</td> <td>3</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>g</td> <td>h</td> <td>i</td> <td>4</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>j</td> <td>k</td> <td>l</td> <td>5</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>m</td> <td>n</td> <td>o</td> <td>6</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>p</td> <td>q</td> <td>r</td> <td>s</td> <td>7</td> <td>Return to "Press Once."</td> <td></td> </tr> <tr> <td>8</td> <td>t</td> <td>u</td> <td>v</td> <td>8</td> <td>Return to "Press Once."</td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>w</td> <td>x</td> <td>y</td> <td>z</td> <td>9</td> <td>Return to "Press Once."</td> <td></td> </tr> <tr> <td>0</td> <td>0</td> <td>SPACE</td> <td>Return to "Press Once."</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>* The character will change to ", ", "!", "?"..... when the button is pressed eight times or more.</p>	Button	Press once	Twice	3 times	4 times	5 times	6 times	7 times	1*	1	.	:	/	@	()	2	A	B	C	2	Return to "Press Once."			3	D	E	F	3	Return to "Press Once."			4	G	H	I	4	Return to "Press Once."			5	J	K	L	5	Return to "Press Once."			6	M	N	O	6	Return to "Press Once."			7	P	Q	R	S	7	Return to "Press Once."		8	T	U	V	8	Return to "Press Once."			9	W	X	Y	Z	9	Return to "Press Once."		0	0	SPACE	Return to "Press Once."					Button	Press once	Twice	3 times	4 times	5 times	6 times	7 times	1*	1	.	:	/	@	()	2	a	b	c	2	Return to "Press Once."			3	d	e	f	3	Return to "Press Once."			4	g	h	i	4	Return to "Press Once."			5	j	k	l	5	Return to "Press Once."			6	m	n	o	6	Return to "Press Once."			7	p	q	r	s	7	Return to "Press Once."		8	t	u	v	8	Return to "Press Once."			9	w	x	y	z	9	Return to "Press Once."		0	0	SPACE	Return to "Press Once."				
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(3)	CLEAR	Delete the character immediately before the cursor.																																																																																																																																																																																
(4)	TV MODE	<p>Pressing this button will switch the output mode to Composite/S-Video, Component or DVI-I temporarily. The output mode selected by switching this button will not become effective the next time the power is turned on. The video output setting you have made on the setup screen will be given priority.</p> <p>* Refer to P.80 about component and DVI-I.</p>																																																																																																																																																																																
(5)	SETUP	Start the setup screen. Refer to p.71 for the setup screen.																																																																																																																																																																																
(6)	SERVER	Display the server selection screen.																																																																																																																																																																																

Name of Each Part

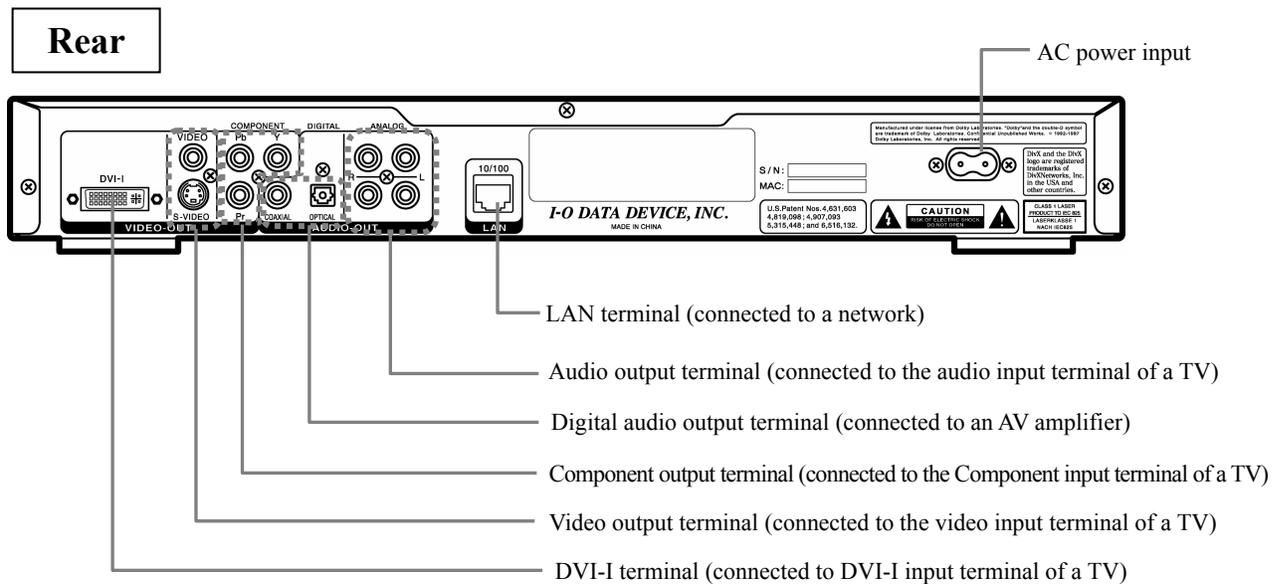
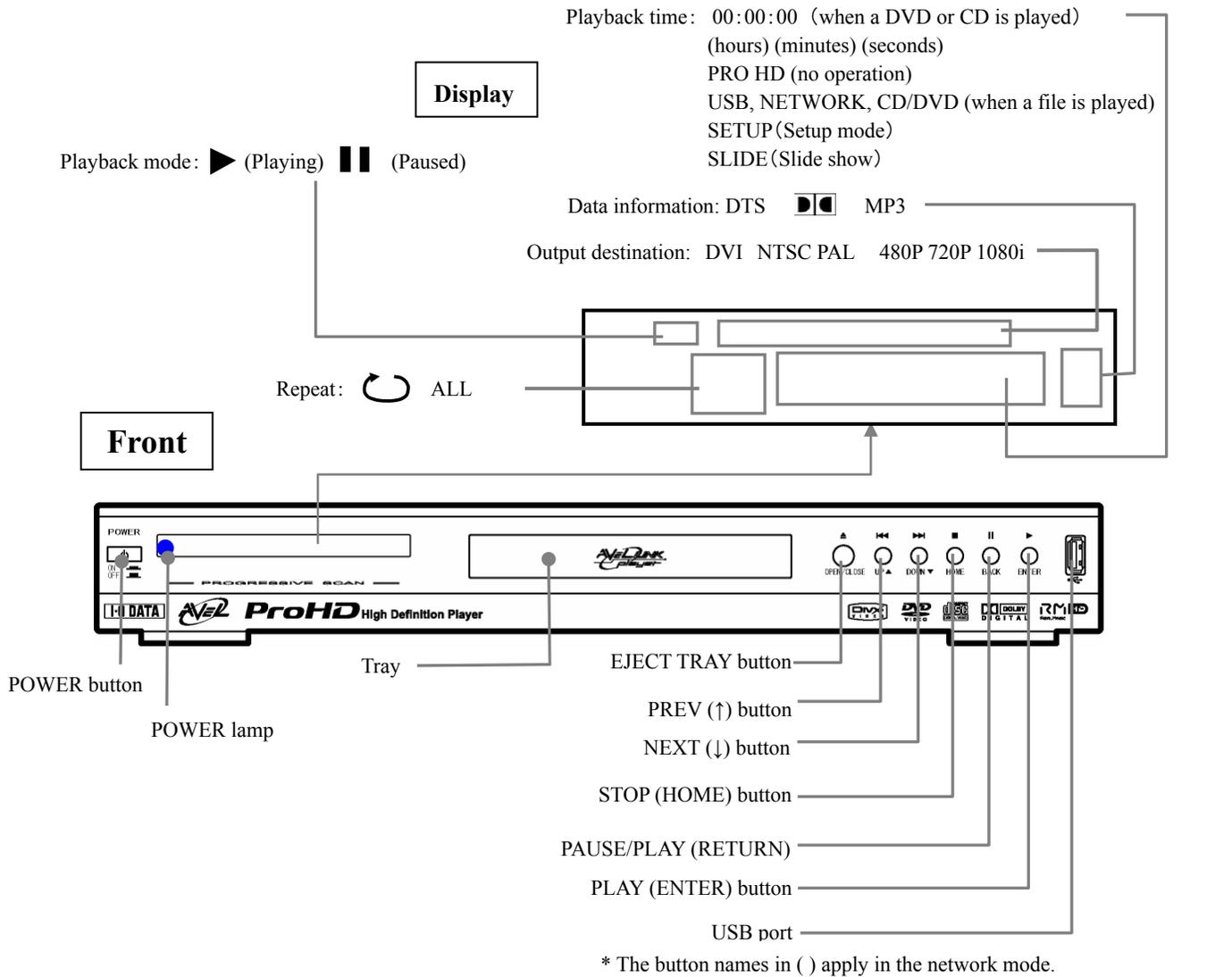
NO.	Button	Explanation
(7)	↑ (↓)	Normally these buttons are used to move the cursor. The cursor is displayed in blue border or crosshatch. In the file mode, pressing each button during continuous list playback will play the next (or previous) file.
	← (→)	Normally these buttons are used to move the cursor. The cursor is displayed in red border or crosshatch. In the file mode, you can specify the playback position directly during data playback by using these buttons.
(8)	BACK	Return to the last screen in the file mode.
(9)	REV	<ul style="list-style-type: none"> • In the DVD mode, the reverse playback speed will change sequentially to x8, x16, x32 and x48 each time this button is pressed. The screen shows "REVERSE." • In the file mode, the reverse playback speed will change sequentially to x1, x2, x3 and x4 each time this button is pressed. The screen shows "FR." • The speed is fixed to x8 when a music CD is played.
(10)	PREV	Return to the previous chapter in the file currently played. In the DVD mode, pressing this button will play the previous chapter (track). During continuous list playback in the file mode, pressing this button will play the immediately preceding file in the list.
(11)	SLOW	<ul style="list-style-type: none"> • In the DVD mode, the slow reverse speed will change sequentially to x1/2, x1/4 and x1/8 each time this button is pressed. The screen shows "SLOW." • This button is not used in the file mode. <p>* Pressing this button during pause will switch to the step mode. * This function may not be supported depending on the format of the movie file being played.</p>
(12)	HOME	In the file mode, pressing this button will display the home screen.
(13)	ZOOM	<ul style="list-style-type: none"> • Pressing this button while a DVD is played will enlarge the center of the screen. • In the file mode, this button will switch the display mode on the screen. One of the following three modes can be specified: <ul style="list-style-type: none"> - Fit To Screen Image is displayed according to the monitor size. Since the aspect ratio is kept, image will not be distorted. However, black streaks may be shown depending on the monitor. - Full Screen Image is displayed according to the monitor size. Since the aspect ratio is not kept, some distortion may occur depending on the file, although image can be displayed over the entire screen. - Actual Size Image is displayed in the actual size set in the file. If the image size of the file is larger than the screen, the image will be adjusted to fit the screen. - AR(Square Pixel) This mode adjust aspect ratio of movie data.
(14)	SUBTITLE	If multiple subtitle options are provided for the AVI file or DVD to be played, this button can be used to switch the selected subtitle option.
(15)	URL/CODE	In the file mode, pressing this button will display the URL entry screen.
(16)	REPEAT	<ul style="list-style-type: none"> • In the DVD mode, pressing this button once will display "CHAPTER" on the screen and cause the applicable chapter to be played repeatedly. Pressing the button again will display "TITLE" on the screen and cause the applicable title to be played repeatedly. Pressing the button yet again will display "CLEAR" on the screen and cancel the repeat mode. • In the file mode, this button can be used to select whether to repeat the file currently played (REPEAT ONE) or entire file list currently played (REPEAT ALL).

NO.	Button	Explanation
(17)	ANGLE	If multiple angle options are provided for the DVD to be played, this button can be used to switch the selected angle option.
(18)	TITLE	Display the title menu of the DVD.
(19)	EJECT	Open/close the tray.
(20)	SELECT	<ul style="list-style-type: none"> Switch the input mode when entering text. Three input modes are available, as described below. The mode will switch sequentially every time this button is pressed. <ul style="list-style-type: none"> - CAPS LOCK ON mode (Entry of uppercase alphabets) The symbols and alphabets (uppercase) displayed on the remote controller are entered. You can enter different characters by pressing each button quickly for an appropriate number of times, just like you do with your cellular phone. - NUM LOCK ON mode (Entry of numbers) The numbers displayed on the remote controller are entered. - CAPS LOCK OFF mode (Entry of lowercase alphabets) The symbols and alphabets (lowercase) displayed on the remote controller are entered. You can enter different characters by pressing each button quickly for an appropriate number of times, just like you do with your mobile phone. When a video CD is being played, pressing this button will enable/disable PBC (PlayBack Control). The PBC setting will return to the default once the AVeL Link Player is powered off.
(21)	PLAY/PAUSE	<ul style="list-style-type: none"> In the DVD mode, pressing this button will cancel pause and start playback. The original playback speed will be restored if the disk is currently in reverse, forward or slow playback mode. In the file mode, pressing this button on the playback data selection screen will play all files currently displayed (continuous playback).
(22)	MUTE	In both the DVD mode and file mode, pressing this button will mute the sound. Press this button if you want to mute the sound temporarily. Pressing the button again will restore the sound.
(23)	STOP	Stop the playback.
(24)	ENTER	Press this button to confirm the selected/entered item at the cursor position.
(25)	MENU	In the DVD mode, pressing this button will display the main menu.
(26)	FWD	<ul style="list-style-type: none"> In the DVD mode, the playback speed will change sequentially to x8, x16, x32 and x48 each time this button is pressed. The screen shows "FORWARD." In the file mode, the playback speed will change sequentially to x1, x2, x3 and x4 each time this button is pressed. The screen shows "FF."
(27)	NEXT	<p>Play the next chapter in the file currently played.</p> <ul style="list-style-type: none"> In the DVD mode, pressing this button will play the next chapter (track). During continuous list playback in the file mode, pressing this button will play the file immediately after in the list.
(28)	VOLUME (+)	<p>Increase the volume of the data being played. Normally, the volume should be set to the default level of 4.</p> <p>* When the digital audio data is being played, this function supports only for Linear PCM.</p>
(29)	AUDIO	If multiple audio options are available for the AVI file or DVD to be played, this button can be used to switch the selected audio option. In the file mode or while video or music is played, pressing this button will switch the audio option.
(30)	VOLUME (-)	<p>Decrease the volume of the data being played. Normally, the volume should be set to the default level of 4.</p> <p>* When the digital audio data is being played, this function supports only for Linear PCM.</p>

Name of Each Part

NO.	Button	Explanation						
(31)	SEARCH	<p>You can specify the time or title/chapter and play the DVD from the specified position. (Both the title and chapter must be specified.)</p> <div data-bbox="1052 254 1414 373" style="border: 1px solid black; padding: 5px; width: fit-content;"> <table> <tr> <td>DVD search</td> <td></td> </tr> <tr> <td>Time</td> <td>00:00:00</td> </tr> <tr> <td>Title/chapter</td> <td>000/000</td> </tr> </table> </div>	DVD search		Time	00:00:00	Title/chapter	000/000
DVD search								
Time	00:00:00							
Title/chapter	000/000							
(32)	RELOAD	Refresh the files in a folder.						
(33)	INFO	<p>Display the information of the DVD, music CD or other medium being played, or information of the repeat mode or other setting currently effective. This button is disabled in the file mode.</p>						
(34)	A-B	<p>In the DVD mode, this button is used to repeat the specified range. Pressing the button once will show "A POINT SET" on the screen. Pressing it again will show "B POINT SET." Thereafter, the segment between A and B will be played repeatedly. When the button is pressed once again, the screen will show "AB REPEAT CLEARED" and the repeat mode will be cancelled.</p>						

AVeL Link Player



MEMO

Preparation

[1] Checking the Operating Environment	P.22
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[2] Preparing the Remote Controller	P.23
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[3] Connecting the AVeL Link Player	P.24
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[4] Installing AVeL Link Server	P.26
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[5] Checking the IP Address of the Computer	P.29
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[6] Setting the AVeL Link Player for the First Time	P.36
--	-------------

[1] Checking the Operating Environment

The setup will vary depending on the environment in which you will be using your AVeL Link Player. Select the applicable environment from the options explained below.

Using the AVeL Link Player as a DVD/CD player

When you want to connect the AVeL Link Player to a TV to view DVDs and CDs (no network connection)



⇒ Refer to the attached Setup Guide.

Using the AVeL Link Player to play the video, audio and image files stored in your computer via network (with DHCP server)

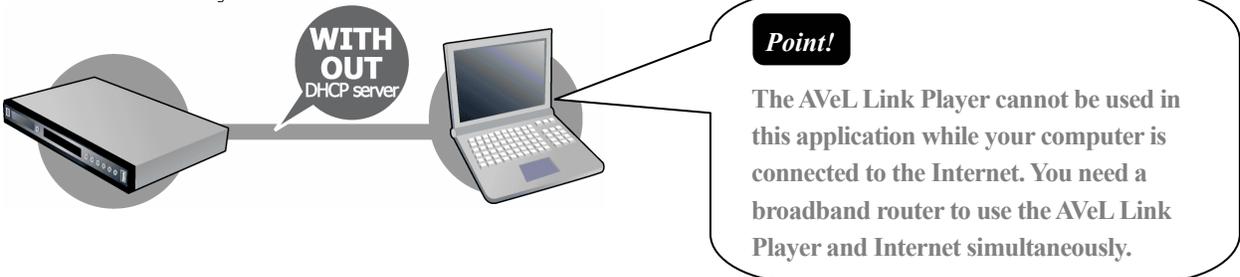
When a DHCP server (broadband router, etc.) that automatically assigns the IP address is available on the network to which the AVeL Link Player is connected



⇒ Refer to the attached Setup Guide.

Using the AVeL Link Player to play the video, audio and image files stored in your computer via network (without DHCP server)

When a DHCP server (broadband router, etc.) that automatically assigns the IP address is not available on the network to which the AVeL Link Player is connected

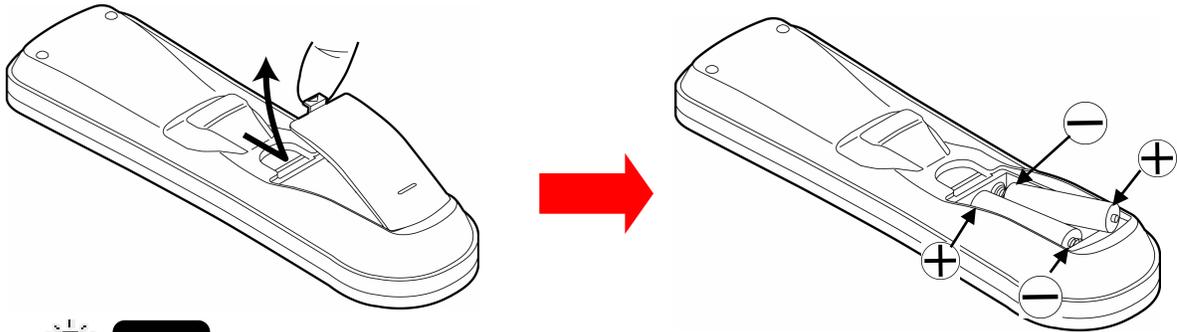


⇒ Go to "[2] Preparing the Remote Controller" (next page).

[2] Preparing the Remote Controller

Set the batteries in the remote controller.

- 1 Open the battery cover and set the batteries as shown below.



Point!

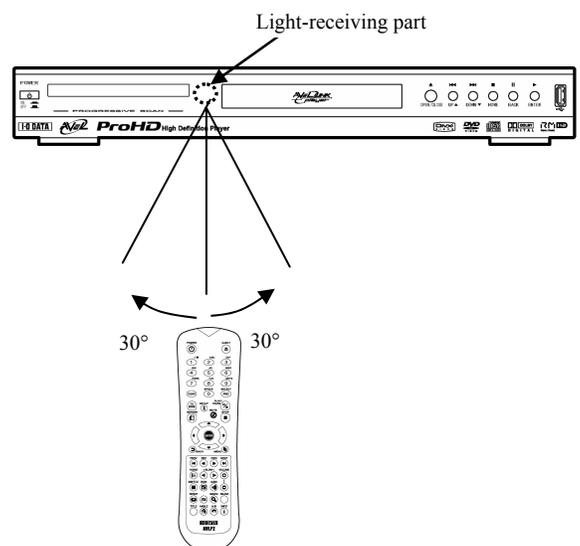
Always insert the batteries from the negative side first. Confirm that the negative and positive sides of the batteries match the marks on the remote controller.

The supplied batteries are used for operation checks. Replace them with new, commercially available AAA dry batteries at your earliest convenience.

- 2 Install the battery cover again.

Tips

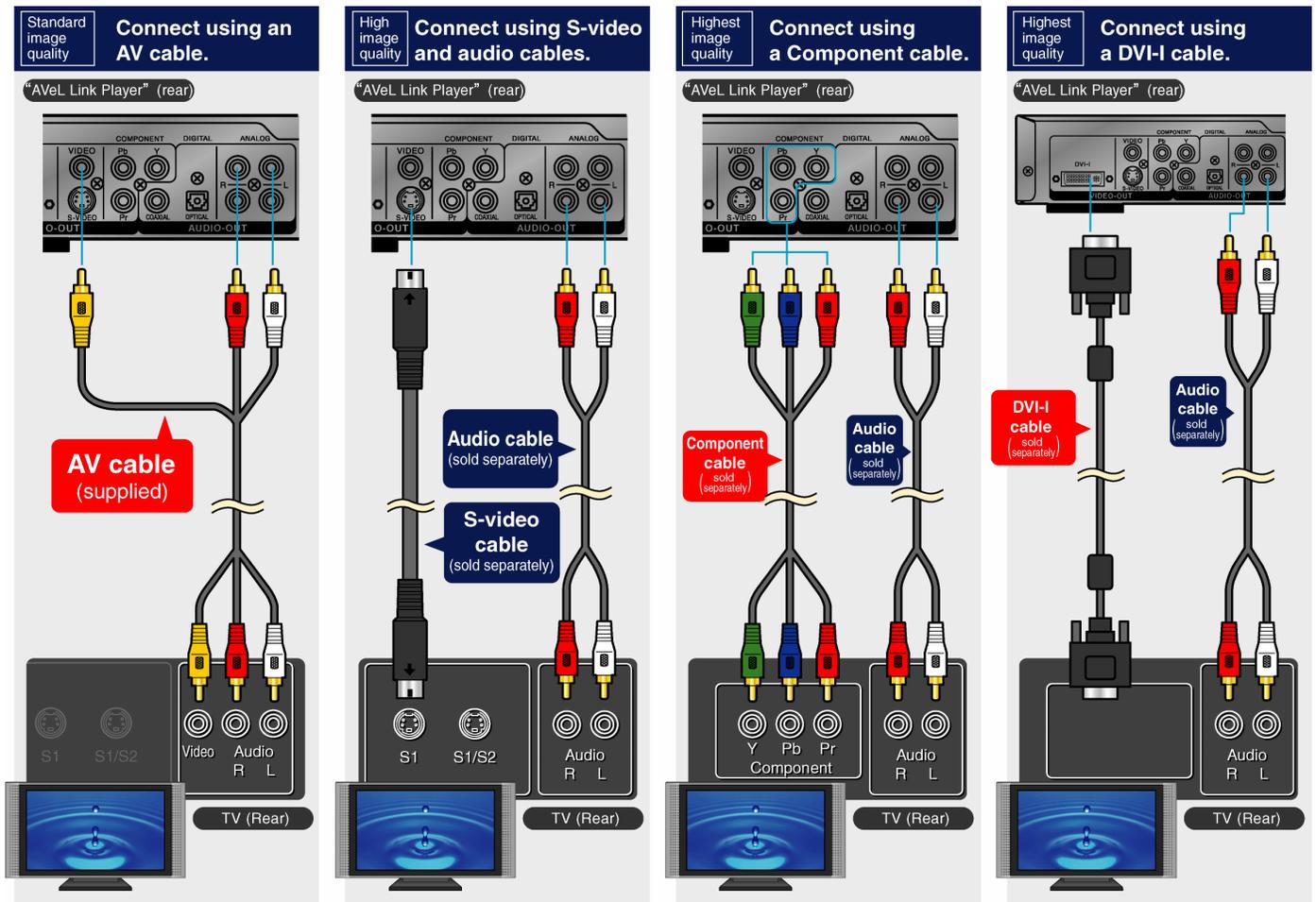
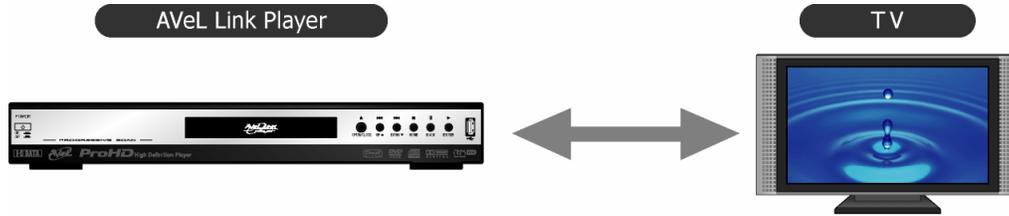
- The remote controller must be located within 4 to 6 m from the remote-controller light-receiving part on the AVeL Link Player and angled within 30 degrees vertically and 30 degrees horizontally.



Go to "[3] Connecting the AVeL Link Player" (p.24).

[3] Connecting the AVeL Link Player

Connecting to a TV



Tips

- The AVeL Link Player can also be connected to an AV amplifier. For details, refer to "Connecting Other Equipment" (p.75).
- For connection with USB equipment, refer to "Playing from a USB Equipment or DVD/CD Medium" (p.41).

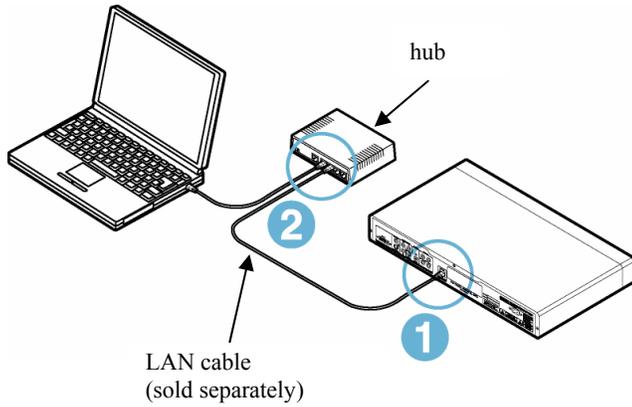
Go to the next page.

Connecting via Wired LAN (without DHCP Server)

Connect your computer to the AVeL Link Player using a LAN cable.

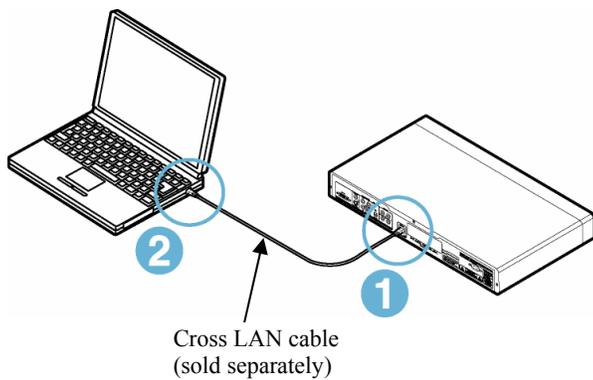
Connecting via a hub

To connect the AVeL Link Player via a hub, use the supplied LAN cable to connect the hub to the AVeL Link Player.



Connecting directly to the computer

To connect the AVeL Link Player directly to the computer, use a cross LAN cable (to be purchased separately).



[4] Installing AVeL Link Server

Install AVeL Link Server in the computer.

AVeL Link Server let sends the content (videos, pictures and music) stored in the computer to the AVeL Link Server.

Windows

Go to p.28 if your computer is running "Mac OS X".

1 Turn on the power to the computer and start Windows.
If your computer is running Windows XP/2000, log on as Administrator.

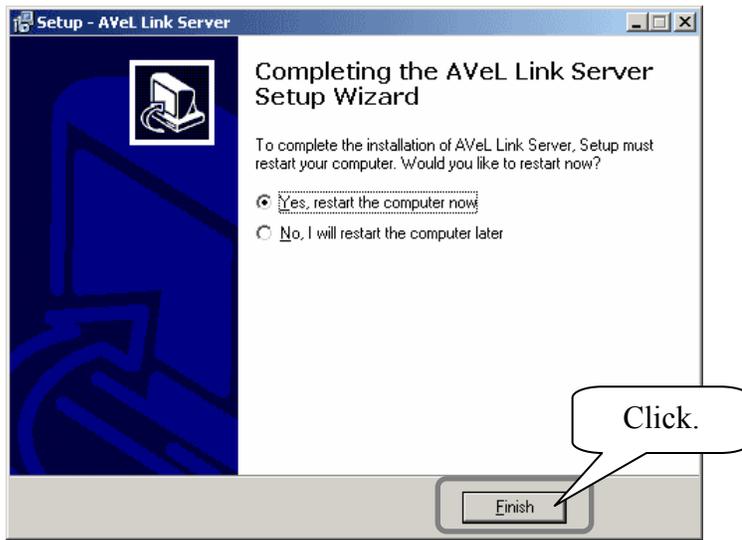
2 Set the support software CD-ROM in the CD-ROM drive.
⇒ Double-click setup.exe in the AVLS folder stored in the CD-ROM.

3 Click the **OK** button, and then click the **Next** button.
Follow the on-screen instructions.



4

Click the Finish button.



This completes the installation.
Go to "[5] Checking the IP Address of the Computer" (p.29).

Mac OS X

- 1 Turn on the power to the computer.
- 2 Set the support software CD-ROM in the CD-ROM drive.
⇒ The CD-ROM (SRDVD100Uxxx) icon will be displayed on the desktop (xxx indicates the version).
- 3 **Double-click SRDVD100Uxxx**, double-click the **MAC folder**, and then double-click **avellinkx-xxx.dmg**. (xxx indicates the version)

Double-click



- 4 **Drag and drop the AVeL Link Server icon onto the Applications folder.**



Tips

For users of MAC OS X 10.4 or later

MAC OS X 10.4 does not include "iPhoto". You need "iPhoto" to see photo data files.

This completes the installation.
Go to "[5] Checking the IP Address of the Computer" (p.29).

[5] Checking the IP Address of the Computer

When the AVeL Link Player has been connected to a network without DHCP server, change the IP address of the AVeL Link Player to one that allows it to communicate with your computer. You must check the IP address of your computer before setting the IP address of the AVeL Link Player.

The following describes the method to check the IP address of your computer.

The specific method varies depending on the operating system, so read only the section applicable to the operating system your computer is running.

Windows XP

Refer to p.30 if your computer is running Windows XP.

Windows 2000

Refer to p.32 if your computer is running Windows 2000.

Windows 98 SE

Refer to p.34 if your computer is running Windows 98 SE.

Mac OS X

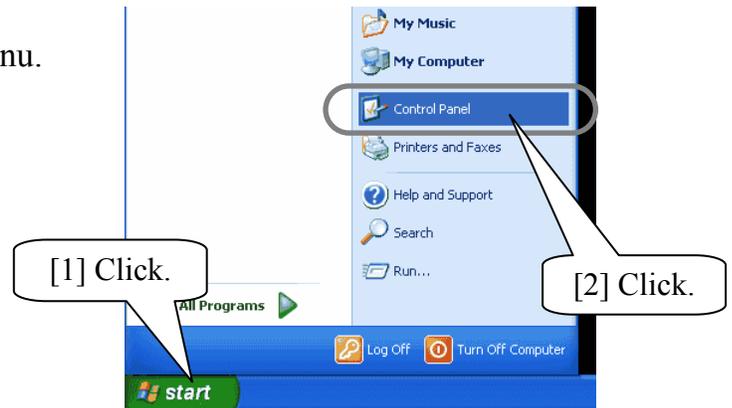
Refer to p.35 if your computer is running Mac OS X.

If a DHCP server is available, this procedure is not required.

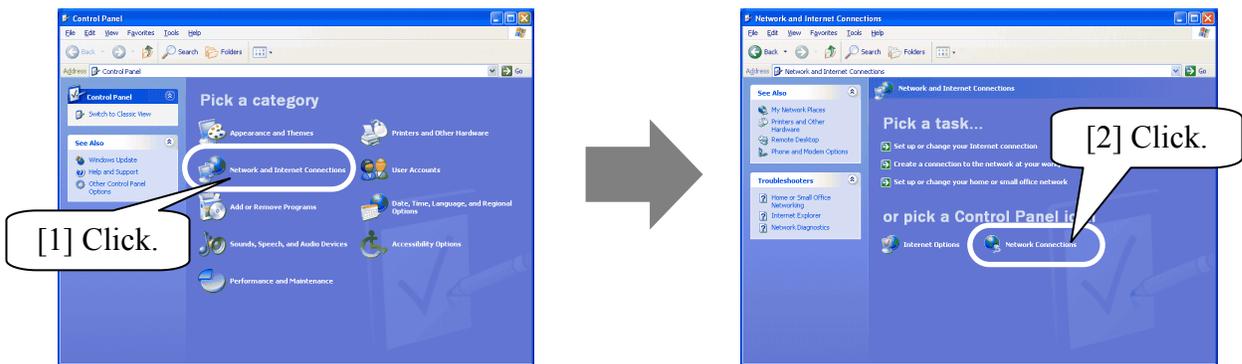
Windows XP

1 Log on to the computer as Administrator.

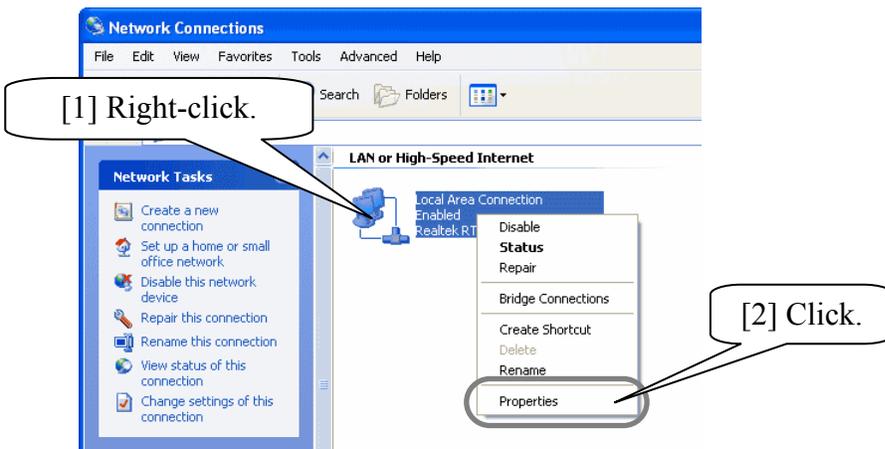
2 Click the **Start** button.
Click **Control Panel** in the Start menu.



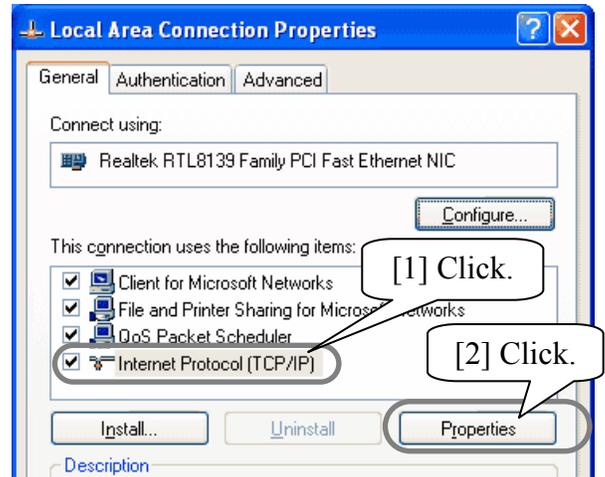
3 Click **Network and Internet Connections**. When the Network and Internet Connections window opens, click **Network Connections**.



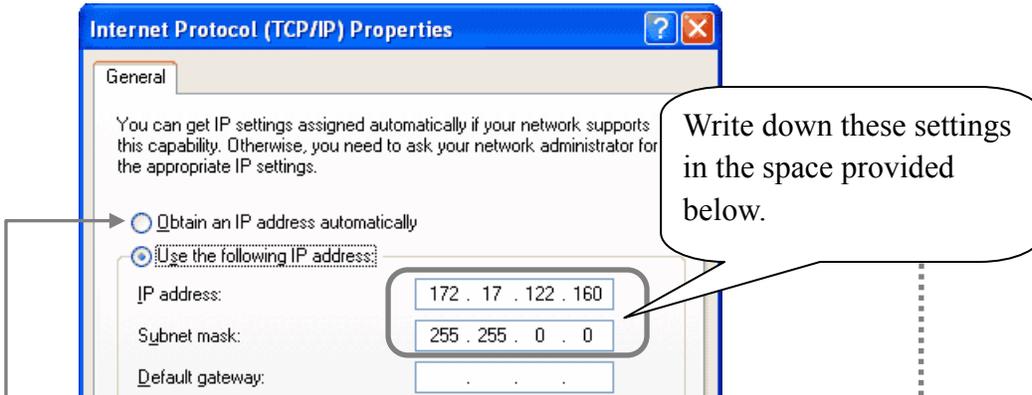
4 Right-click **Local Area Connection**, and then click **Properties** in the pop-up menu.



5 Click **Internet Protocol (TCP/IP)**, and then click the **Properties** button.



6 Check the settings for IP address and Subnet mask, and write them down in the space provided below.



If this option is selected, perform the following operations

- [1] Select Use the following IP address.
- [2] Enter the appropriate values in IP address and Subnet mask.
Be careful not to enter values that are already used by other equipment (other computer, etc.) on the network.
If you don't know which values to enter, set them to the values shown in the above screen.
- [3] In the space provided below, write down the values you just entered.
- [4] Click the OK button.

▼ Write down the address you have checked or entered in the above screen.

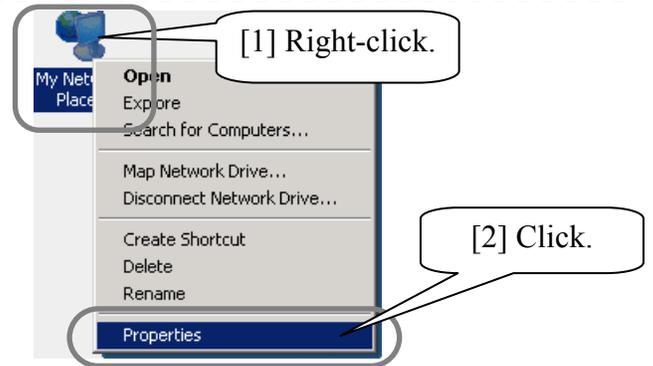
IP address	
Subnet mask	

Go to "[6] Setting the AVeL Link Player for the First Time" (p.36).

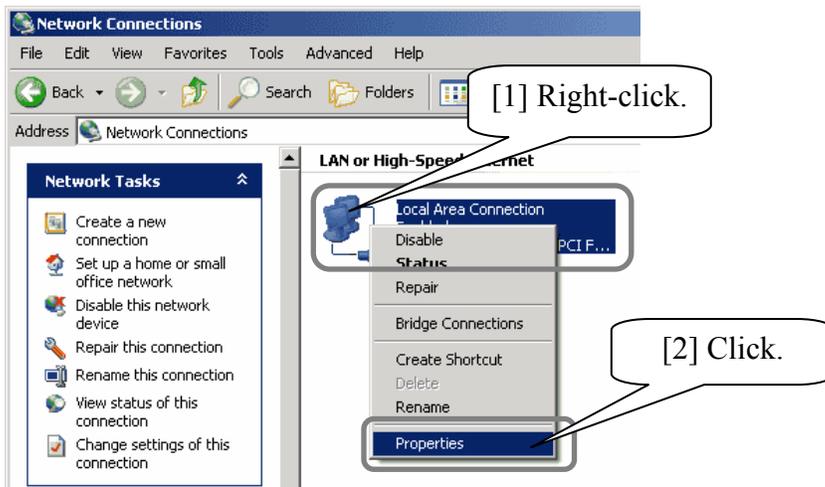
Windows 2000

1 Log on to Windows 2000 as **Administrator**.

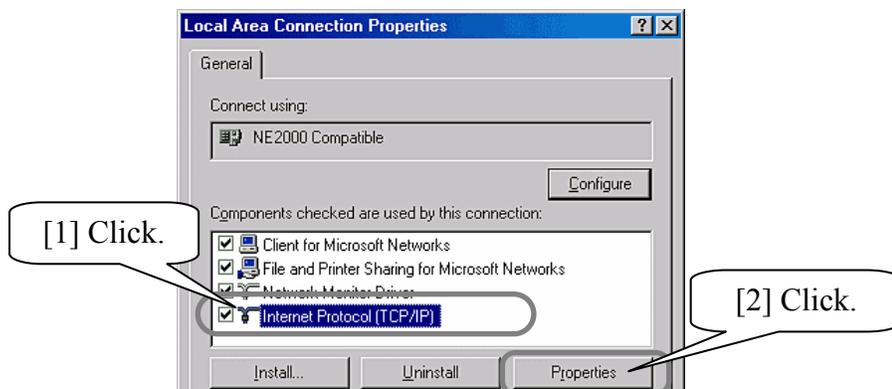
2 Click the **Start** button.
Click **Control Panel** in the Start menu.



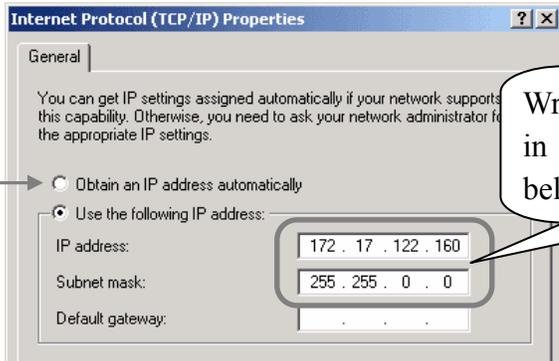
3 Right-click **Local Area Connection**, and then click **Properties** in the pop-up menu.



4 Click **Internet Protocol (TCP/IP)**, and then click the **Properties** button.



5 Check (write down) the settings for IP address and Subnet mask.



Write down these settings in the space provided below.

If this option is selected, perform the following operations

- [1] Select Use the following IP address.
- [2] Enter the appropriate values in IP address and Subnet mask.
Be careful not to enter values that are already used by other equipment (other computer, etc.) on the network.
If you don't know which values to enter, set them to the values shown in the above screen.
- [3] In the space provided below, write down the values you just entered.
- [4] Click the OK button.

▼ Write down the address you have checked or entered in the above screen.

IP address	
Subnet mask	

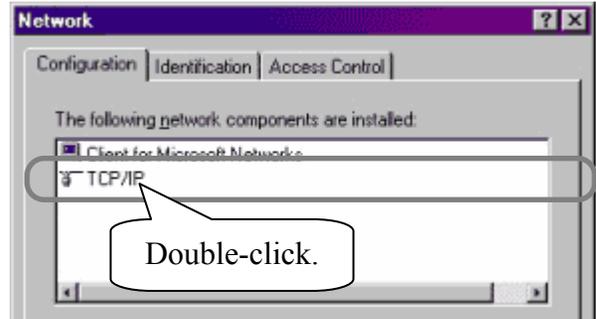
Go to "[6] Setting the AVeL Link Player for the First Time" (p.36).

Windows 98 SE

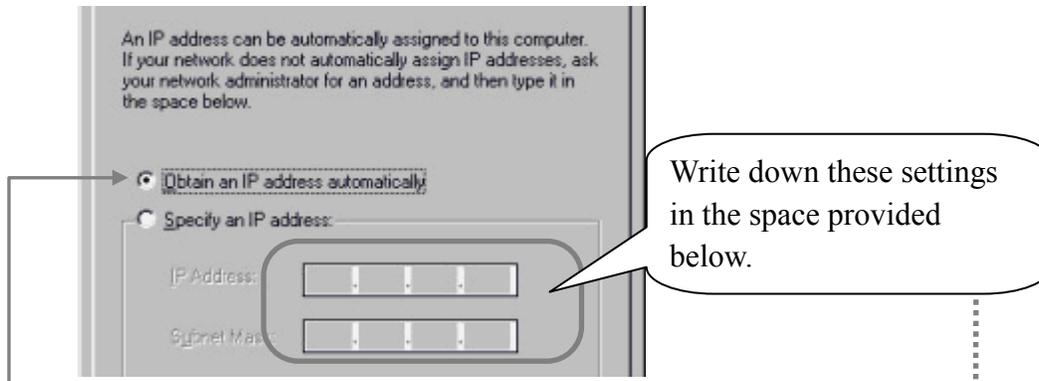
1 Click **Start**, point to **Settings**, click **Control Panel**, and then **double-click the Networks icon**.

2 **Double-click TCP/IP.**

* If multiple adapters are available, double-click TCP/IP->xxxxxxx (xxxxxxx indicates the device name of the LAN adapter).



3 Check (write down) the settings for IP address and Subnet mask.



If this option is selected, perform the following operations

- [1] Select Use the following IP address.
- [2] Enter the appropriate values in IP address and Subnet mask.
Be careful not to enter values that are already used by other equipment (other computer, etc.) on the network.
If you don't know which values to enter, set them to the values shown in the above screen.
- [3] In the space provided below, write down the values you just entered.
- [4] Click the OK button.

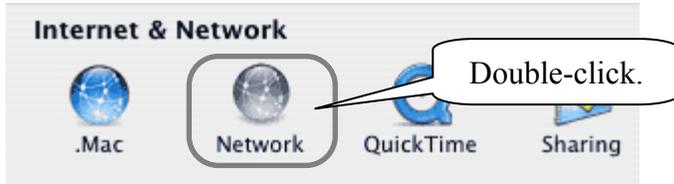
▼ Write down the address you have checked or entered in the above screen.

IP address	
Subnet mask	

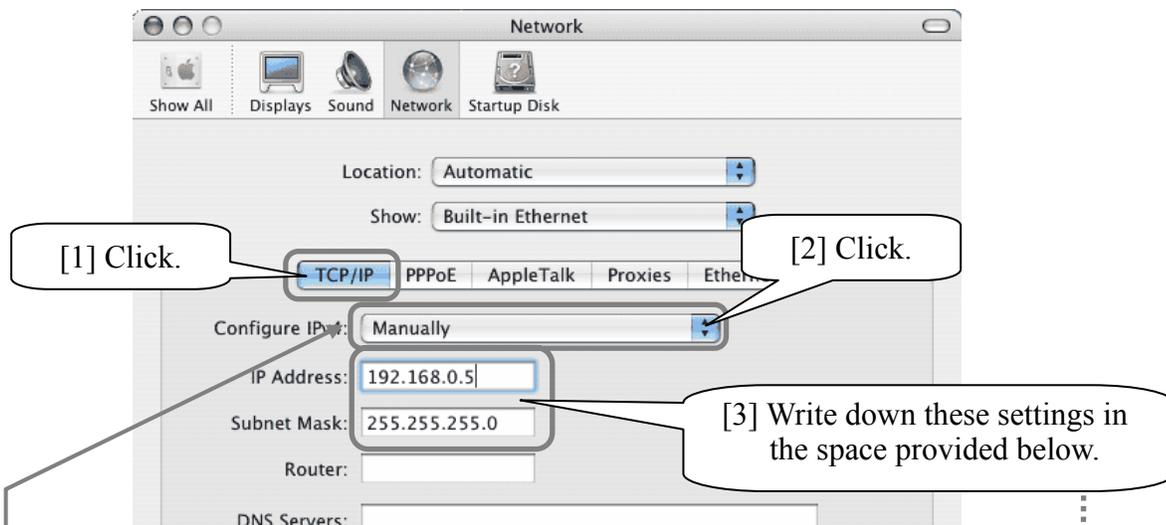
Go to "[6] Setting the AVEL Link Player for the First Time" (p.36).

Mac OS X

- 1** Click Apple Menu, click System Preferences, and then **double-click the Network icon.**



- 2** Click TCP/IP, and then **check (write down) the settings for IP address and Subnet mask.**



If the setting here is not Enter **Manually**, perform the following operations.

- [1] Select Enter manually under Setting mode.
- [2] Enter the appropriate values in IP address and Subnet mask.
Be careful not to enter values that are already used by other equipment (other computer, etc.) on the network.
If you don't know which values to enter, set them to the values shown in the above screen.
- [3] In the space provided below, write down the values you just entered.
- [4] Click the Apply Now button.

▼ Write down the address you have checked or entered in the above screen.

IP address	
Subnet mask	

Go to "[6] Setting the AVEL Link Player for the First Time" (p.36).

[6] Setting the AVeL Link Player for the First Time

Setting the IP Address of the AVeL Link Player (without DHCP Server)

1

Have the values checked in "[5] Checking the IP Address of the Computer" ready.

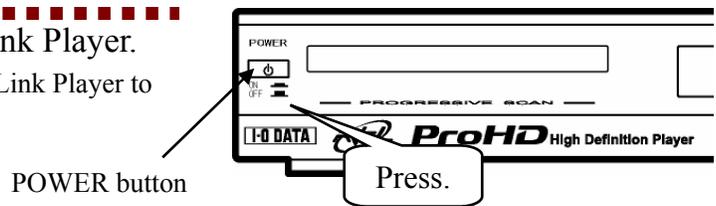
* Check the values you wrote down on the following pages:

- Windows XP p.31
- Windows 2000 p.33
- Windows 98 SE p.34
- Mac OS X p.35

2

Turn on the power to the AVeL Link Player.

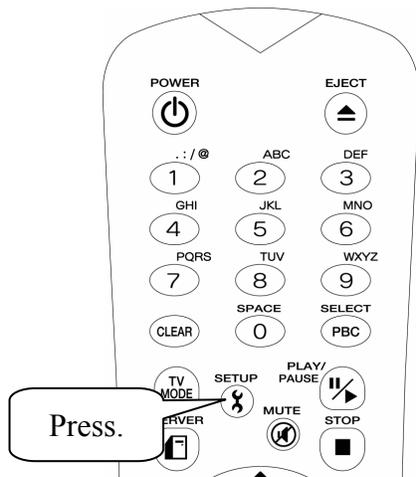
* It will take several seconds for the AVeL Link Player to power up.



3

Press the **SETUP** button on the remote controller.

⇒ The option setting screen will be displayed.

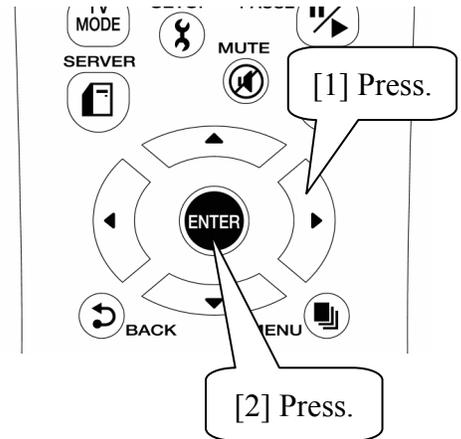
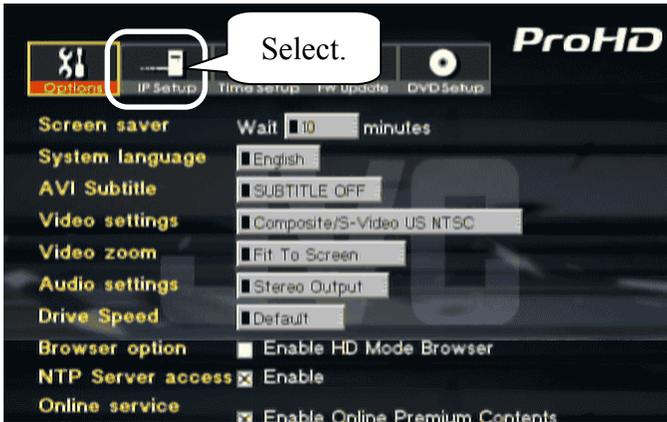


▼ Screen on the TV connected to the AVeL Link Player



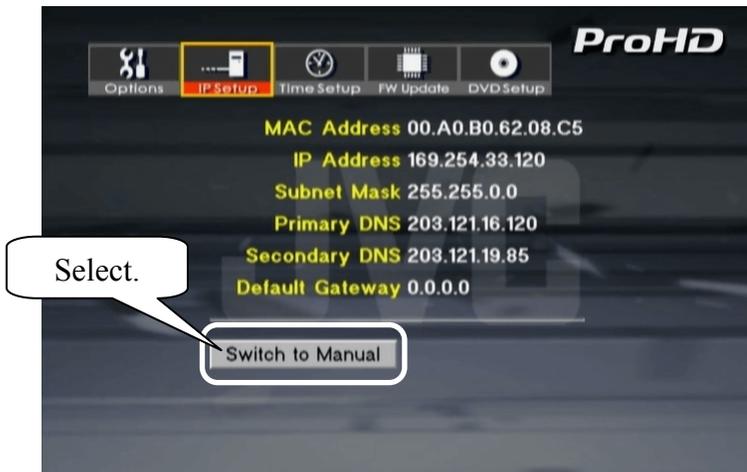
4

Select IP Setup, and then press the ENTER button.



5

Select Switch to Manual, and then press the ENTER button.

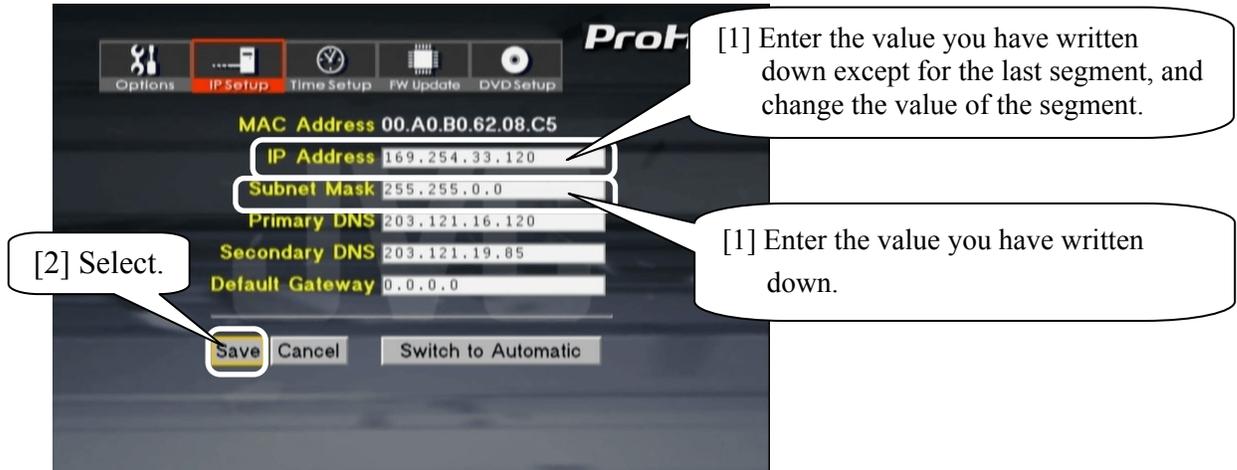


6

Enter the IP Address and Subnet Mask by referring to the values you have checked*, **select the Save button**, and then **press the ENTER button**.

* Refer to the values you wrote down on p.31 (Windows XP), p.33 (Windows 2000), p.34 (Windows 98), or p.35 (Mac OS X).

(The settings shown below are examples. The correct values will vary depending on the operating environment of your computer.)



Tips

• How to set the IP Address of the AVeL Link Player

Set the IP Address of the AVeL Link Player by referring to the example below.

Example) If the IP Address of your computer is "192.168.0.100", set the IP Address of the AVeL Link Player as follows:

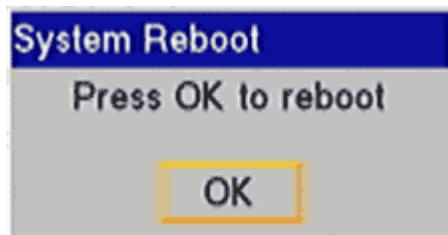
IP Address of AVeL Link Player

192.168.0 . xxx
[1] [2]

Enter "192.168.0" in [1] (same as the address of your computer).
Enter a value other than "100" in [2].

7

When the following message is displayed, **press the ENTER button**.



This completes the basic settings.
Go to "Playing Video/Audio" (p.39).

Playing Video/Audio

Playing a DVD-Video, Video CD or Music CD	p.40
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Playing from a USB Equipment or DVD/CD Medium	p.41
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Playing a File in the Computer	p.43
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How to play a copy protected file by DRM (Digital Rights Management)	p.48
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Enjoy Online Contents	p.50
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Playing a DVD-Video, Video CD or Music CD

The following describes how to play a DVD-Video, video CD or music CD.

1

Open the tray and set the medium you want to play.

To open the tray, press the EJECT button on the remote controller or EJECT TRAY button on the AVeL Link Player.



Point!

- It will take a few moments for the tray to open after the EJECT TRAY button on the AVeL Link Player is pressed. Wait for a while after pressing the button.
Also note that pressing the button for a prolonged duration may cause the tray to open/close repeatedly. Exercise caution not to press the button too long, because repeated opening/closing of the tray may result in a pinched finger or damaged medium.

2

Close the tray.

Press the EJECT button on the remote controller or EJECT TRAY button on the AVeL Link Player.

⇒ The medium will be played automatically.



Point!

- If the medium is not played automatically, Auto Play is not set to On.
Refer to "DVD Setup" (p.74).

For the various operations you can perform during playback, refer to the explanation of each button (p.13).

Playing from a USB Equipment or DVD/CD Medium

The following describes how to play a file stored in the USB equipment or DVD/CD medium connected to the AVeL Link Player.



Set the USB equipment or DVD/CD medium you want to play from.

● Setting a USB Equipment

- [1] Turn on the power to the AVeL Link Player.
- [2] Turn on the power to the USB equipment.
- [3] Connect the USB equipment to the USB port located on the front of the AVeL Link Player.
⇒ The AVeL Link Player will recognize the USB equipment.



Point!

- The AVeL Link Player only supports USB mass storage devices formatted with FAT(16) or FAT32. To find out if your USB equipment is a USB mass storage device, check with the manufacturer of the equipment.
- Always turn on the power to the AVeL Link Player first, before connecting the USB equipment. (If the USB equipment is connected first, the AVeL Link Player may not recognize the equipment correctly.)
- Some external USB hard disk drive consumes over 500mA. To connect AC adapter is required.

● Setting a DVD/CD Medium

- [1] Open the tray and set the DVD/CD medium.
To open the tray, press the EJECT button on the remote controller or EJECT TRAY button on the AVeL Link Player.
- [2] Close the tray.
Press the EJECT button on the remote controller or EJECT TRAY button on the AVeL Link Player.
⇒ DVD/CD medium (containing photo, music and movie data) will be played automatically.

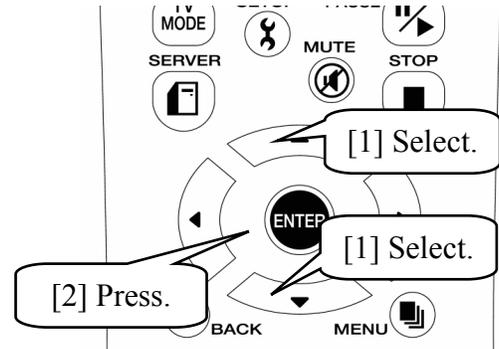


Point!

- If the medium is not played automatically, Auto Play is not set to On. Refer to "DVD Setup" (p.74).
- It will take a few moments for the tray to open after the EJECT TRAY button on the AVeL Link Player is pressed. Wait for a while after pressing the button. Also note that pressing the button for a prolonged duration may cause the tray to open/close repeatedly. Exercise caution not to press the button too long, because repeated opening/closing of the tray may result in a pinched finger or damaged medium.

2

Select the source you want to play from, and then press the **ENTER** button on the remote controller.



4

Select the **data** you want to play, and then press the **ENTER** button on the remote controller.

You can play all displayed data (continuous playback) by pressing the **PLAY/PAUSE** button on the remote controller.



Point!

- Do not disconnect the USB equipment while a file in the USB equipment is displayed or played.

The AVeL Link Player only supports photo data in JPEG format.

It does not support files written in BMP or other format.

Note that the AVeL Link Player can play the "JPEG," "BMP," "GIF" and "PNG" files stored in a computer connected to a network.

Playing a File in the Computer

The AVeL Link Player can play movies, pictures and music stored in the computer (server).

Playing a file on AVeL Link Server

Refer to p.44

Playback of content from DLNA server

Refer to p.47

Playing a file on AVeL Link Server

1

Start AVeL Link Server on the computer.

Click Start, point to (All) Programs, point to AVeL Link Server, and then click AVeL Link Server.

Alternatively, double-click the AVeL Link Server shortcut icon on the desktop.

* For details on how to use AVeL Link Server, refer to "Reference on AVeL Link Server" (p.58).



Point!

- The Windows Security Alert screen may open when AVeL Link Server is started. In this case, **click Unblock**.



- If your computer is using firewalls

If your computer is using firewalls set by security software, etc., you may need to reset the firewalls before you can use the AVeL Link Player.

* For the specific setting procedure, refer to the user's manual of your security software.

Windows

- Permit AVeLLink-server.exe to communicate through the firewalls.
- Permit the use of ports 1900 and 8000.

Macintosh

Allow the shared firewalls (system environment settings) to permit data reception by ports 1900 and 8000.

2

Register the desired file to AVeL Link Server.

Specify the folder containing the data you want to play, or transfer the data to the specified folder.

For details, refer to "Reference on AVeL Link Server" (p.58).

3

Turn on the power to the AVeL Link Player.

* It will take several seconds for the AVeL Link Player to power up.

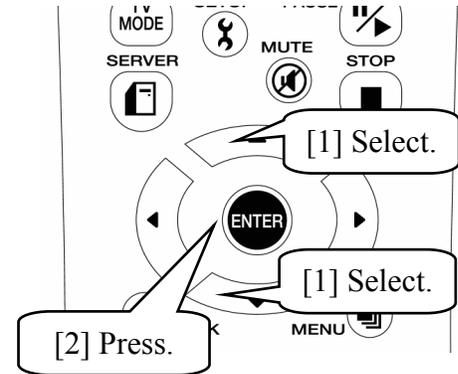
POWER button



4

Select the server storing the data you want to play.

Select the server storing the data you want to play, and then **press the ENTER button** on the remote controller. The selectable servers are automatically displayed in red.



Troubleshooting Tip

No server is displayed...

⇒ Refer to "When the AVeL Link Player Cannot Connect to a Server (Computer)" (p.55).

Tips

Number of servers simultaneously registered

Up to 10 servers can be registered simultaneously. Delete the servers not currently connected by using Delete. For the procedure to delete unconnected servers, refer to "Server Login Screen" in "Reference on AVeL Link Player Screens" (p.70).

5

Select the type of data you want to play.

Select the **type of data** you want play, and then **press the ENTER button** on the remote controller.

⇒ The stored data (folders) of the specified data type will be displayed.



6

Play the data.

Select the data you want to play, and then **press the ENTER button** on the remote controller.

⇒ The data will be played.

Tips

Different ways to play data

You can select desired data to play the data.

When Continuous or Slide Show is selected, the data stored in the selected folder will be played sequentially.

When Shuffle is selected, the data stored in the selected folder will be played in a random order.

Number of displayable characters in a filename

A filename must consist of a maximum of 40 characters.

● Playing a Video (Movie)



● Playing a Photo / Picture



Tips

Playing music during a slide show

Refer to "Displaying a Photo / Picture" (p.59).

● Playing Music



Tips

MP3 information

Refer to "Music" (p.62).

Background for playing music

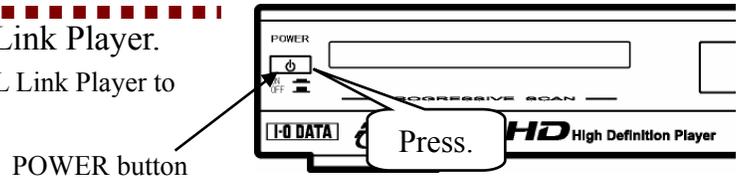
Refer to "Displaying Music" (p.59).

Playback of content from DLNA server

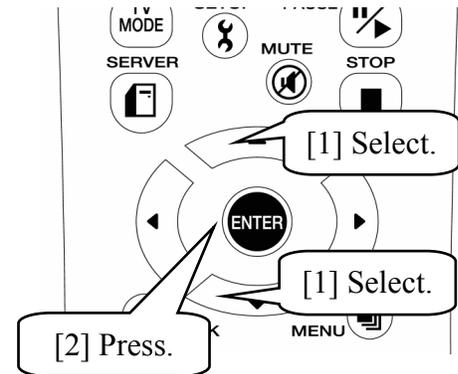
- 1 Start DLNA server on the computer.**
* Please read manual of DLNA Server software or inquire the manufacture of DLNA Server software about set-up of DLNA Server software.

- 2 Register the desired file to DLNA server.**

- 3 Turn on the power to the AVeL Link Player.**
* It will take several seconds for the AVeL Link Player to power up.



- 4 Select DLNA server on the log in menu.**
Select DLNA server, and then **press the ENTER button** on the remote controller.
The Operation procedure is same as AVeL Link Server.



How to play a copy protected file by DRM (Digital Rights Management)

If you move your digital music and movie files which are protected by DRM, you need to update or install your software.



Please update and install following software.

- Windows Media Player 10
- Windows Media Connect

[Install] Windows Media® Player 10

We really recommend you to install Windows Media® Player 10 by Microsoft Windows Update. It's for your safe system setup.

[Install] Windows Media® Connect

We want to recommend you to download the latest version on this Microsoft site:

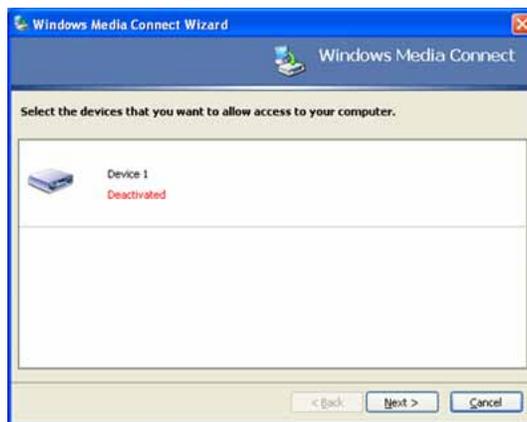
<http://www.microsoft.com/windows/windowsmedia/download/>

Also keep using the latest version. You had better check the Microsoft update. Some unknown bugs may be fixed.

1

Choosing Device.

While your LinkPlayer is available on your local network, you may find it as Deactivated Device on this installation wizard. Choose it and push "Next>" button.



2

Sharing Setup.

After that, this wizard will ask you the sharing setup. It's better to turn ON "Automatically start folder sharing when Windows starts."



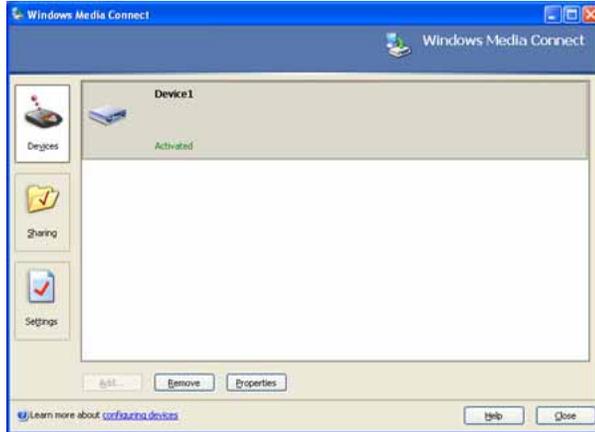


Windows Media® Connect Setup

You need to run Windows Media® Connect after that installation. Also check the status between Windows Media® Connect and LinkPlayer.

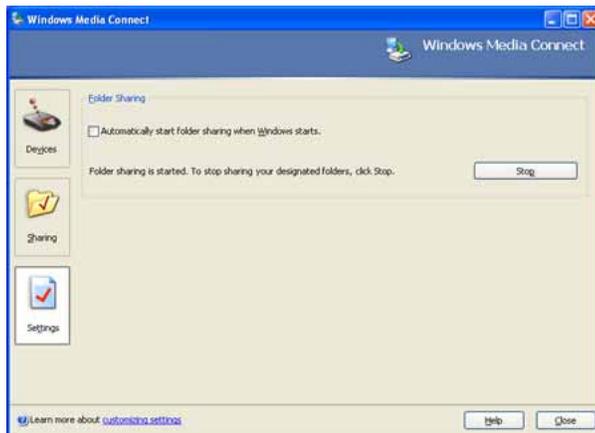
[Status] Device

If your setting is correct, you may see the following window on starting.



[Status] Setting

Setting menu allows you to turn on/off the auto-start & stop/start the sharing.



Enjoy Online Contents

You can access and enjoy online contents via "AVeL LinkPlayer".

1

Turn on the power to the AVeL Link Player.

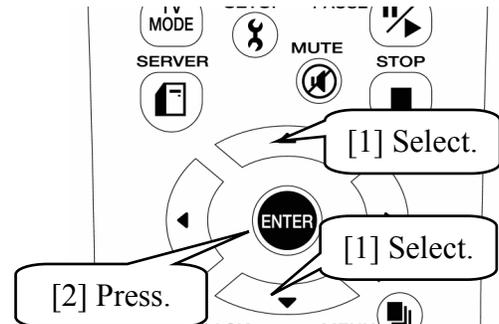
* It will take several seconds to power up.

POWER button



2

Select "Online Premium Contents" and press "Enter" on your remote controller.

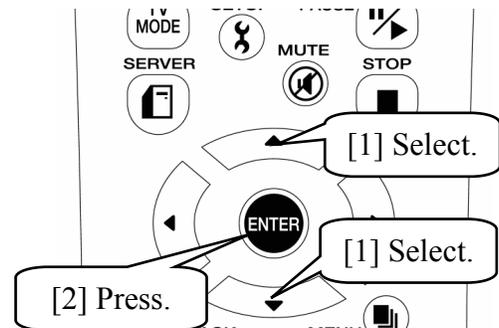


3

Select Online Service.

Choose the online contents, which you would like to watch, and press "Enter" on your remote controller.

⇒ Online contents will be displayed.



Tips

About Online Services

RSS

RSS(Rich Site Summary) is a format for syndicating news and the content of news-like sites. You can read text based information through this service.

vTuner

vTuner creates an easy way to find and launch radio and TV broadcasts available over the Internet. vTuner is your complete guide to the world of live entertainment, music, news and talk on the Internet including thousands of stations from over 160 countries around the globe.

* The screenshot is as of February 2005.

Supported Online Contents will be varied due to updating the version of firmware in AVeL Link Player. Refer to <http://www.iodata.com/usa/> for the latest information.



Example: vTuner Screenshot

Troubleshooting

Troubleshooting

p.52

Troubleshooting

Problem	Cause/Point to check	Action
The AVeL Link Player does not power up.	Is the power cable connected to the power socket?	Connect the power cable to the power socket.
	Is the power cable connected to the AVeL Link Player?	Confirm that the power cable is connected to the AVeL Link Player.
The remote controller does not work.	Aren't the batteries in the remote controller low?	Replace them with new batteries.
	Are the batteries connected in the correct polarities (positive, negative)?	Set the batteries correctly.
	Is the remote controller facing the AVeL Link Player?	Operate the remote controller by orienting it toward the remote-controller light-receiving part on the AVeL Link Player (located at the front center of the AVeL Link Player).
No screen is displayed.	Video Output is set to a mode not matching the connected TV or monitor.	[1] Press the TV MODE button on the remote controller several times until the screen is displayed. [2] Set Video Output to match the output of the connected TV or monitor by referring to "Options" (p.71).
The server icon is not displayed in the AVeL Link Player menu.	AVeL Link Server has not been started.	Check if the computer is on and AVeL Link Server is running.
	The network is not set up correctly.	For detail check procedures and actions to be taken, refer to "When the AVeL Link Player Cannot Connect to a Server (Computer)" (p.55).
	Isn't the hub or router hindering proper network connection?	Connect the AVeL Link Player to the computer directly using a cross cable and then check if the problem persists. (If the AVeL Link Player is connected to the computer directly, the IP addresses of the AVeL Link Player and computer must be manually entered.)
The USB equipment is not recognized.	The power to the AVeL Link Player was turned on with the USB equipment connected.	Turn on the power to the AVeL Link Player first, and then turn on the power to the USB equipment.
The login screen does not respond.		
The message "Cannot connect to the specified server" or "Log in to AVeL Link later" is displayed, and files in the server (computer) are not shown.	The network is not set up correctly.	For detail check procedures and actions to be taken, refer to "When the AVeL Link Player Cannot Connect to a Server (Computer)" (p.55).
AVeL Link Server is running, but the AVeL Link Player does not respond.	The hard disk storing the specified Watch Folder or Library Folder has been removed.	Install the hard disk again, or do not specify the Watch Folder or Library Folder in the hard disk you want to remove.
	The specified folder contains too many files.	Reduce the number of files and then check if the problem persists.

Problem	Cause/Point to check	Action
A video file cannot be played correctly.	The file format is not supported.	Convert the file to MPEG or other supported format. Refer to "Supported Formats" (p.9).
	If the problem file is an AVI file, check if the file is "interleaved."	If a non-interleaved file is played, either video or audio may not be played. When creating or playing an AVI file, check if "interleaving" is enabled or the file is "interleaved." For interleaving of a file during the file creation process, refer to the Help screens or manual of the encoding application you are using.
It takes some time for the screen to be displayed after the power to the AVeL Link Player is turned on.	If there is no network connection, the screen will not be displayed promptly because the IP address cannot be obtained.	If the server selection screen is not displayed after around 1 minute or so, reconnect the power to restart the AVeL Link Player.
The AVeL Link Player always logs in to the same server (computer) when the power is turned on.	The AVeL Link Player is set to log in to that server (computer) automatically.	<ol style="list-style-type: none"> 1. Go to the login selection screen (showing a list of server names), which is displayed when the AVeL Link Player is started. If the message "Cannot connect to the specified server" is displayed, press the SERVER button on the remote controller to return to the login selection screen. 2. Select Edit. 3. Select the name of the computer you want to cancel the auto login to. 4. Clear the check box of Always connect to this AVeL Link Server. 5. Select Save.
A DivX file cannot be played and the screen shows "Q-PIXEL Not Supported."	The DivX file you are trying to play is encoded with Quarter Pixel setting.	Refer to "Supported Formats" (p.9).
Files with a ".ORIGINAL" extension are created in the folder specified under VIDEO in AVeL Link Server.	These files are created in order to retain the original data of OpenDivX3 video files when they are converted.	<p>When an OpenDivX3 video file is converted automatically, the original data will be saved as a .ORIGINAL file. If you don't want the original data, you can delete the .ORIGINAL file.</p> <p>You can also set AVeL Link Server so that the original data files will be automatically deleted after conversion.</p> <p>Refer to "Reference on AVeL Link Server" (p.58).</p>
A still image written to a CD or DVD is not displayed.	The still image file you are trying to view is not created in JPEG.	The AVeL Link Player only supports JPEG as the format of photo data stored in a DVD/CD, USB equipment or UHDL SERIES. It does not support files written in BMP or other format.
A still image is displayed with a black border.	The still image you are trying to view exceeds the maximum resolution.	<p>When a still image file in a DVD/CD, USB equipment or UHDL SERIES is displayed, it will be automatically shrunk if the file exceeds the maximum resolution supported.</p> <p>In this case, a black border may appear around the image.</p>

Troubleshooting

Problem	Cause/Point to check	Action
Music files are not classified by "album," "singer" and "category."	The files were added or deleted while AVeL Link Server was still not started.	Restart AVeL Link Server. (If the server icon is shown in the message area at the bottom right of the screen, right-click the icon and close the program.)
	The data is inside the Watch Folder.	Only the data in the folder specified as "Default Library" are classified.
	The files don't have ID3 tag information.	The files must have ID3 tag information before they can be classified. ID3 tag information can be set by ripping software, etc., when a file is created. If your computer is running Windows XP, ID3 tag information can be set as follows: [1] Right-click the file, and then click Properties. [2] In the displayed screen, click the Summary tab. [3] Click the Advanced button. [4] Set tag information.
	File classification is disabled in AVeL Link Server.	Select the check box of Read song information in AVeL Link Server. Refer to "Music" (p.62).

When the AVeL Link Player Cannot Connect to a Server (Computer)

If no server is displayed in the AVeL Link Player menu, or when selecting a displayed server with the ENTER button on the remote controller will show the message "Cannot connect to the specified server" or "Log in later," check the items listed below.

1 First, check on the computer and AVeL Link Player if the network connection is established properly.

[Check Procedure]

- [1] With the AVeL Link Player menu displayed, press the SETUP button on the remote controller. In the displayed screen, select IP Settings, and then check the IP address set for the AVeL Link Player.
- [2] Check if the computer is connecting to the AVeL Link Player via network.

Windows

- (1) Start Command Prompt (MS-DOS Prompt) on the computer connected to the AVeL Link Player via LAN.
- Windows XP/2000
Click Start, point to All Programs (Programs), point to Accessories, and then click Command Prompt (MS-DOS Prompt).
 - Windows 98 SE
Click Start, point to Programs, and then click MS-DOS Prompt.
- (2) You will see the cursor blinking after C:\xxxx> (xxxx varies depending on the environment). Enter the IP address according to the example below.
- Example: When the IP address of the AVeL Link Player is 192.168.0.5
Enter C:\xxxx>PING 192.168.0.5, and then press the Enter key.
- (3) Check the network status from the displayed message.

- Messages displayed when network connection is not established -
Request time out or Destination host unreachable

▼ (Example) When the IP address of the AVeL Link Player is 192.168.0.5

- Message displayed when network connection is established correctly -
Reply from 192.168.0.5: bytes=32 time=40ms TTL=127

Mac OS X

- (1) On the desktop screen of the computer connected to the AVeL Link Player via LAN, double-click the icon of the hard disk drive in which the operating system is installed, point to Applications, point to Utilities, and then click Network Utilities.
- (2) Select the PING tab.
- (3) In the Enter the network address to send PIN commands to field, enter the IP address you have checked, and then click the PING button.
- (4) Check the network status from the displayed message.

▼ (Example) When the IP address of the AVeL Link Player is 192.168.0.3

- Messages displayed when network connection is not established -
PING:Send to:No Route to Host

- Message displayed when network connection is established correctly -
64byte from 192.168.0.3 icmp_seq=0 ttl=254 time=26.532

2 Take the necessary action according to the network connection status.

When Network Connection is Not Established

- Poor cable contact

Disconnect the cables from the LAN jack, hub/router cable jack and computer cable jack located on the back of the AVeL Link Player, and then connect the cables again.

- Wrong IP settings (If the IP address was set manually)

Confirm that the IP address and subnet mask entered in IP Settings for the AVeL Link Player are correct.

→ Refer to "Setting the IP Address of the AVeL Link Player" (p.36).

When Network Connection is Established Correctly

- AVeL Link Server has not been started/is not running

Check if the connected computer is on and the AVeL Link Server program has been started/is running.

If too many files are contained in the specified folder of AVeL Link Server, AVeL Link Server may still be starting.

Delete some files in the folder specified in AVeL Link Server, or change to another folder by referring to "Reference on AVeL Link Server" (p.58). Then, restart AVeL Link Server and check if the problem persists.

- Firewalls are set in the computer

If a virus detection program, firewall program or other security program is installed in the connected computer, the firewall function of such software program may be disabling communication between the AVeL Link Player and AVeL Link Server in the computer.

If any of these software programs is installed in the computer, disable the firewall function of the program and then check if the problem persists.

* With some resident applications, the firewall setting will not be disabled simply by disabling the program.

Check how firewalls are set in your application and disable the specific setting.

Others

Reference on AVeL Link Server	p.58
Reference on AVeL Link Advanced Server	p.65
Reference on AVeL Link Player Screens	p.70
Connecting Other Equipment	p.75
Using I-O DATA Hard Disk Drive(UHDL SERIES)	p.76
Updating the Firmware	p.78
Content of the CD-ROM	p.79
Uninstalling AVeL Link Server	p.79
Specifications	p.80

Reference on AVeL Link Server

Windows

Go to p.64 if your computer is running "Mac OS X."

AVeL Link Server lets you register the movies, pictures and music stored in the computer, specify the background music for playing pictures, and specify the background for playing music.

● Starting AVeL Link Server

1 Click **Start**, point to **(All) Programs**, point to **AVeL Link Server**, and then click **AVeL Link Server**.

Alternatively, double-click the AVeL Link Server shortcut icon on the desktop.

2 The screen shown to the right will be displayed.



● Displaying A Video (Movie)

1 Click the **VIDEO** button.
⇒ The registered video data will be displayed.



Tips

Transfer the data to the applicable folder specified below:

- Windows XP/2000 (default setting)
Documents and Settings\Login user name\My Documents\My Videos
- Windows 98 SE (default setting)
My Documents\My Videoy.
To change the folder, refer to "Video" (p.61).

● Displaying a Photo / Picture



Click the PHOTO button.

⇒ The registered photo data (folder) will be displayed. You can play music during a slide show. Select a desired music folder from Play List. Also specify a desired slide display interval.



Tips

Transfer the data to the applicable folder specified below:

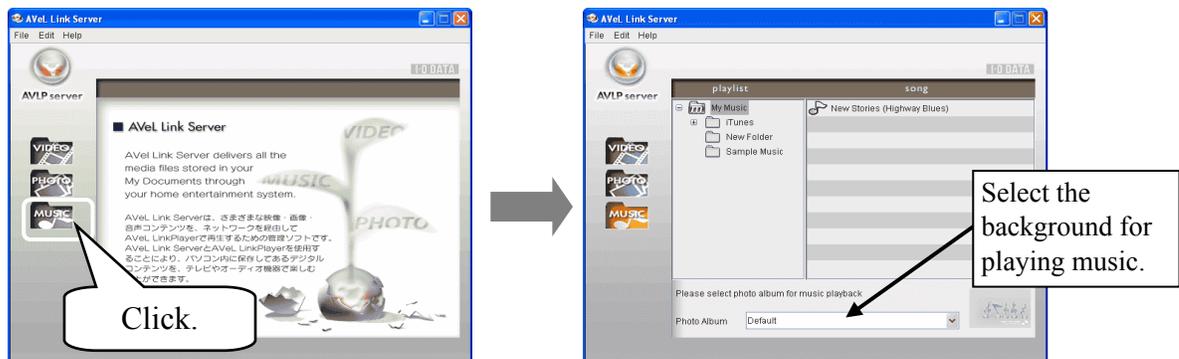
- Windows XP/2000 (default setting)
Documents and Settings\[Login user name]\My Documents\My Pictures
 - Windows 98 SE (default setting)
\\My Documents\My Pictures
- * If the specified folder contains too many files, it may take a longer time for AVEL Link Server to start.
To change the folder, refer to "Photo" (p.62).

● Displaying Music



Click the MUSIC button.

⇒ The registered music data will be displayed. You can display picture data in the background while playing music. Select a desired picture from Photo Album.



Tips

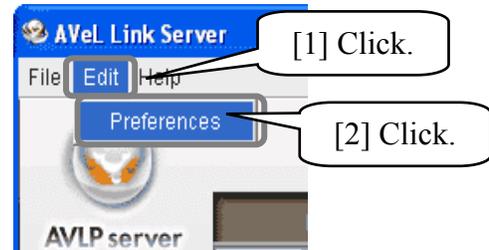
Transfer the data to the applicable folder specified below:

- Windows XP/2000 (default setting)
Documents and Settings\[Login user name]\My Documents\My Music
 - Windows 98 SE (default setting)
\\My Documents\My Music
- * If the specified folder contains too many files, it may take a longer time for AVEL Link Server to start.
To change the folder, refer to "Music" (p.62).

● Setting AVeL Link Server

You can set various options in AVeL Link Server.

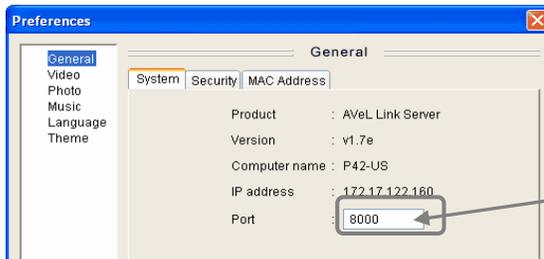
 **Click Edit, and the click Preferences.**



■ General

● System

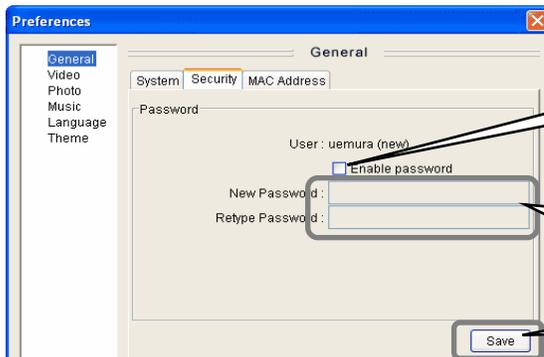
The information regarding AVeL Link Server is displayed. You can also set the port you want to use.



● Security

When a password is set, you must enter the password to play the data in the server from the AVeL Link Player.

* Be sure to remember the password you have set.

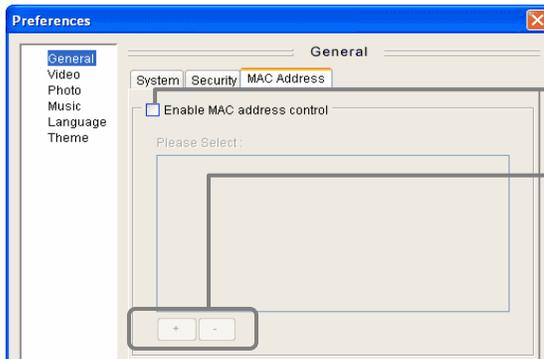


If you have entered a wrong password in either field, enter both fields again.



- MAC Address

Set this option if you want to limit the Mac address.



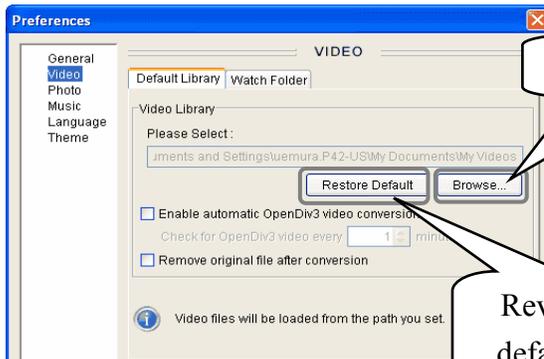
Selecting this box will permit access only by the AVeL Link Player of a registered Mac address.

Register/delete a Mac address.

- Video

- Default Library

Specify the folder in which movie/video data are stored.

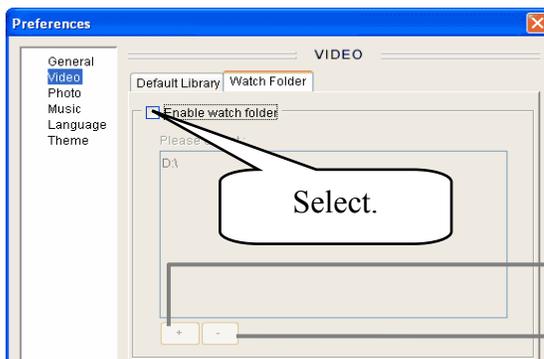


Change the folder

Revert to the default folder

- Watch Folder

You can add a folder different from the one specified above.



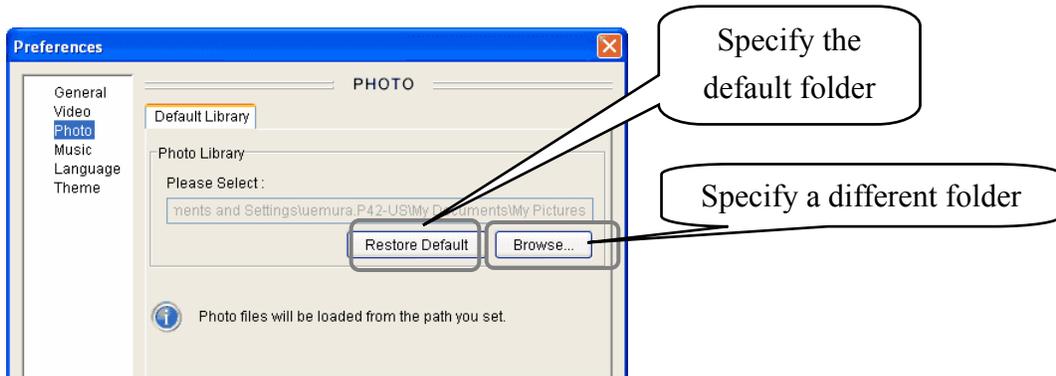
Select.

Click here to add a folder.

Click here to delete a folder.

■ Photo

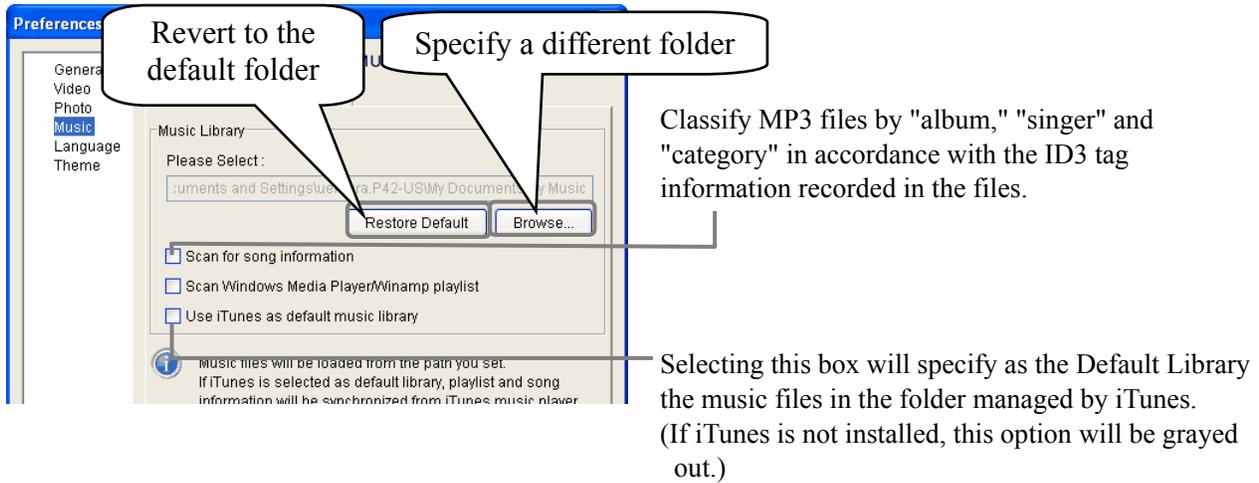
Specify the folder in which picture data are stored.



■ Music

• Default Library

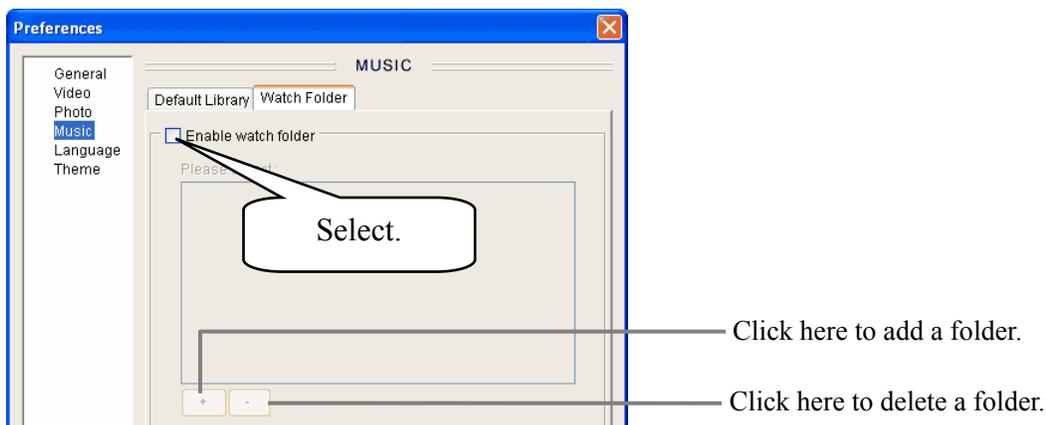
Specify the folder in which music data are stored.



• Watch Folder

You can add a folder different from the one specified above.

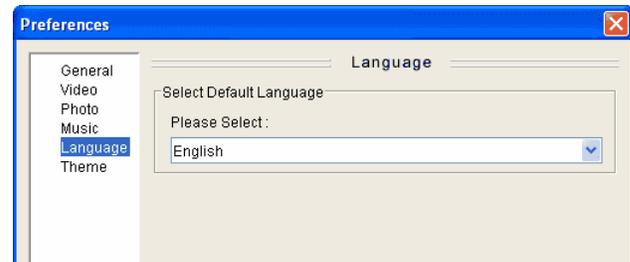
* The files in this folder will not be classified based on ID3 tag information.



■ Language

Specify the language to be used in AVeL Link Server.

You need not change the default setting .



■ Theme

Specify the screen theme.

(Only "avellink" can be selected.)



Mac OS X

AVeL Link Server lets you manage the content (movies, pictures and music) stored in the computer.

Transfer the movie, picture and music data you want to play into the following folders, respectively:

- Movies---- Copy the files to the movie folder *
- Pictures --- Load the files into iPhoto.
- Music ----- Load the files into iTunes.

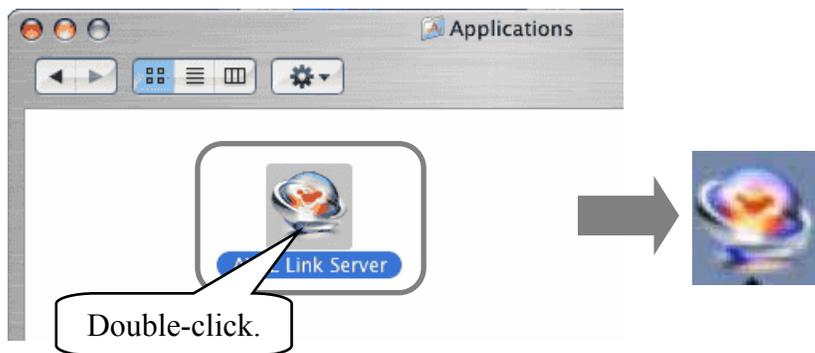
* Movie folder is located : Local disk → User → your log-in user name → movie.

● Starting AVeL Link Server



Double-click the AVeL Link Server icon.

⇒ AVeL Link Server will be started and displayed in the dock area.



Reference on AVeL Link Advanced Server

AVeL Link Advanced Server support to playback any data, which is played on Windows Media Player, by I-O DATA original Direct-Show-Filter (realtime software transcoding to MPEG2). It has more compatibility with I-O DATA video products, for example, XVD capture card (GV-XVD/PCI(U)). XVD high-compressed file can be played by LinkPlayer. TiVo, MKV, OGM, and so on.

Try to open the downloaded ZIP file, and then double-click setup.exe. The installer will start automatically. You will follow the install wizard instructions until you push a finish button. At first, you need to choose the language option ("English" in default).

● Install

1

Set the supplied CD-ROM in your computer.

⇒ The menu will be displayed automatically.



Troubleshooting Tip

If the menu is not displayed automatically...

Open the CD-ROM from My computer, etc., and then double-click "Autorun.exe".

2

Select the "Advanced Server Install" and click it.

⇒ The installation windows will be displayed.

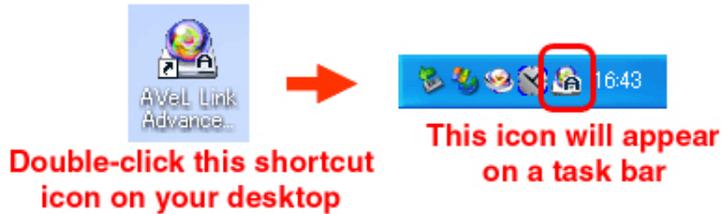
Follow the instruction and install it.

Tips

Uninstall

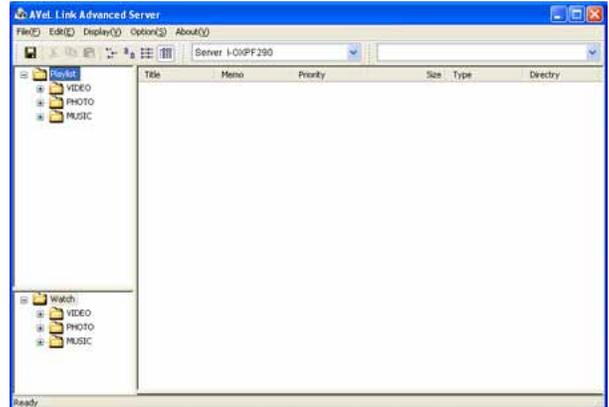
For uninstalling, you can remove this software on Add or Remove Programs in Control Panel.

● Start Advanced Server



In order to start Advanced Server, you need to double-click a shortcut icon or choose it from START menu. Your task bar will show the Advanced Server icon. And then right-click this icon and choose a "Setup AVEL Link Advanced Server(S)...", then you can see this setup window.

At the right-bottom window, this setup can manage some Watch folders. You can add your favorite folders as short cuts.



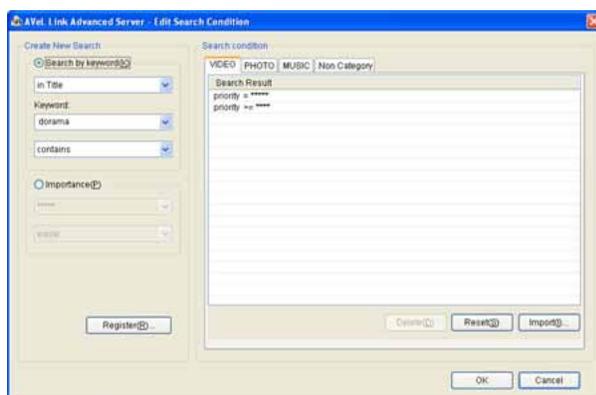
● Function1: PlayList & Category Management

System Required: Same as standard

- CPU: Intel-Pentium III 500MHz or faster (or equivalent)

- Memory: 128MB or over

The bundled LinkServer is poor for huge video/music collectors. But Advanced Server helps them to manage contents. You can do by artists, genres, titles, favorites, and... Also it has a powerful search manger for easy-to-built playlists (you can import search results file). And you can set playback turns by A-Z or your favorites (1 to 4 stars priorities).



In order to go this window, you need to choose "Edit Search condition(E)" from Options menu on that setup window or push F10 button on the setup window.

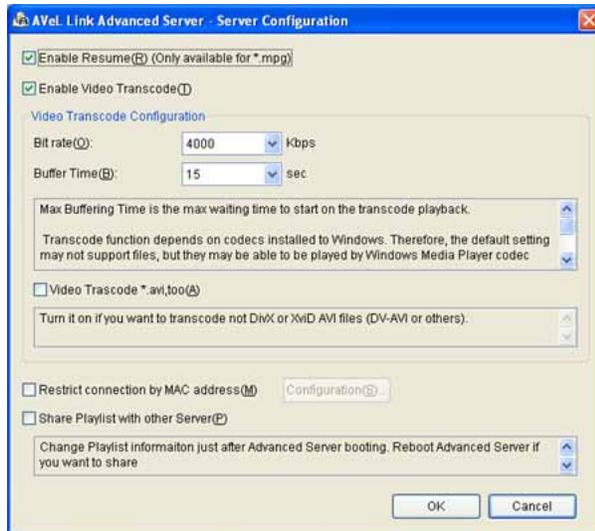
● Function2: Real-Time Transcoding

System Required: Higher

- CPU: Pentium 4 2.4GHz or faster (3GHz Recommend)

- Memory: 256MB or over

LinkPlayer supports major codec files (DivX, MPEG, WMV...). However a lot of codec files are exist in a market. You might use a Windows Media Player with some codecs, if so, this functions should help you to enjoy more! You don't need anymore transcoding to playback by LinkPlayer.



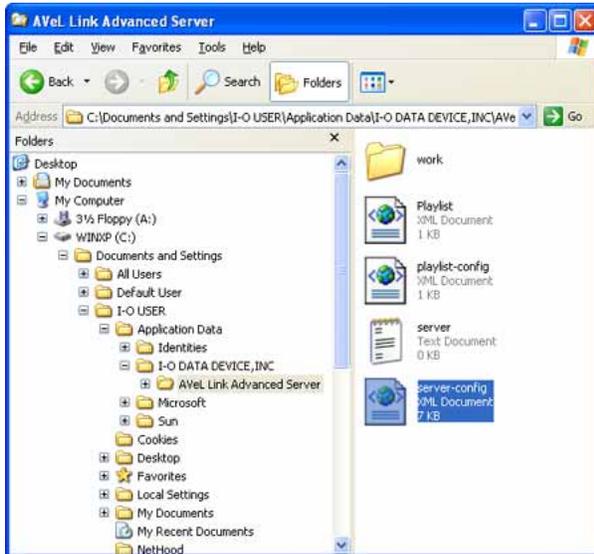
In order to go this window, you need to choose "Server Configuration(S)" from Options menu on that setup window.

Enable Resume(R) (Only available for *.mpg)	It is a similar to "Bookmark" function. This function remembers the latest video file stopped flame, and it can playback it at this point on the next play order. MPEG only is supported.
Enable Video Transcode	The video transcoding on / off.
Bit Rate	Set the trasncoded MPEG2 video bit rate.
Buffer Time	Set a buffering time before transcoding
Video Transcode *.avi, too(A)	If you want to play the avi files (DA-AVI file or etc.) what need transcoding, you need to check it on.
Restrict connection by MAC address	You can set the limited access by MAC address.
Share Playlist with other Server	You can share this playlist (on Advanced Server) with other PC servers.

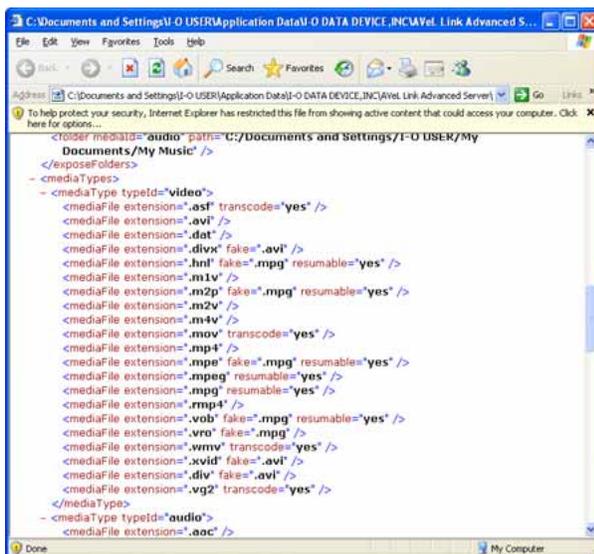
● Function3: Add newer file extension name

■ Case1: Just new file name

If you want to add just a new file extension name (based LinkPlayer supports your target codec), you need to add just it in a "server-config" located: C:\Documents and Settings\USER NAME\Application Data\I-O DATA DEVICE,INC.\AVeL Link Advanced Server\server-config.xml



Open it by Notepad or a word edit software, and you need to add the following comments (this is a new video sample).
<mediaFile extension=".xxx(= your target name)" fake=".xxx(= supported codec name)" resumable="yes(if you want a resumung function available)" />



■ Case2: New file name & Transcoding

NOTICE BEFORE: This function means transcoding. So your computer needs high speed CPU. Please check Function2 required spec.

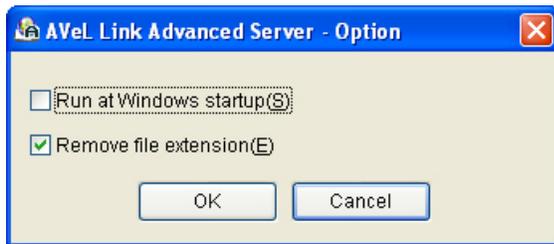
If you want to add LinkPlayer unsupported file and transcode a new code (available on Windows Media Player), you need to add just it in a "server-config" file located the Advanced Server folder (as above). For example, MKV, OGG, or so on.

Open it by Notepad or a word edit software, and you need to add the following comments (this is a MKV case).

```
<mediaFile extension=".mkv" transcode="yes" />
```

● Option

If you want to change options, please choose "Options(O)" from Options menu on that setup window. You can choose "this program auto-Run on rebooting or not" and "file name extension appears or not". If you turn on "Remove file extension", your original file can keep the name. Just it disappears on Advanced Server.



● Other Information

1. Advanced Server is different software from LinkServer, but can work together. The using port is "8010".
2. About compatibility
 - At this moment, 04-33-041227-01-IOD-234-000 (Dec 29 version) might have some problem with Advanced Server.
3. About this Real-Time transcoding function
 - it doesn't delete/erase your files. The target files must remain in your computer.
 - it doesn't support any trick play orders (FWD, REV, PAUSE, SLOW...)
 - Some transcoded files may drop frames on playing by your system power or status.
 - Shuffle or Watch folder function is not working
 - Cannot transcode any DRM video files (encrypted data)

Reference on AVeL Link Player Screens

Server Login Screen

The following describes the initial TV screen (having the New, Edit and Delete buttons), which will be displayed when the power to the AVeL Link Player is turned on.



● NEW

You can manually add a server (computer) you want to connect. If a computer in which AVeL Link Server is installed and running is connected to the AVeL Link Player properly, normally the computer will be registered (displayed) automatically. If a desired computer is not registered automatically, register the computer in this screen.

* Up to 10 servers can be registered.



● EDIT

You can change the registered settings of a server (computer) to be connected.



Computer name	Enter the name of the server computer to be connected (the computer name must be entered only in the screen displayed by clicking New).
IP address	Enter the IP address of the server to be connected.
Always connect to this AVeL Link Server	The AVeL Link Player will connect to the specified server as soon as it is started. However, the server must already be running.

Tips

How to check the computer name (Windows XP)

Click Control Panel, click Performance and Maintenance, click System, and then click the Computer Name tab to display Full computer name.

● DELETE

You can delete the registered settings of a server (computer) to be connected.
Delete the servers no longer connected to the AVeL Link Player.

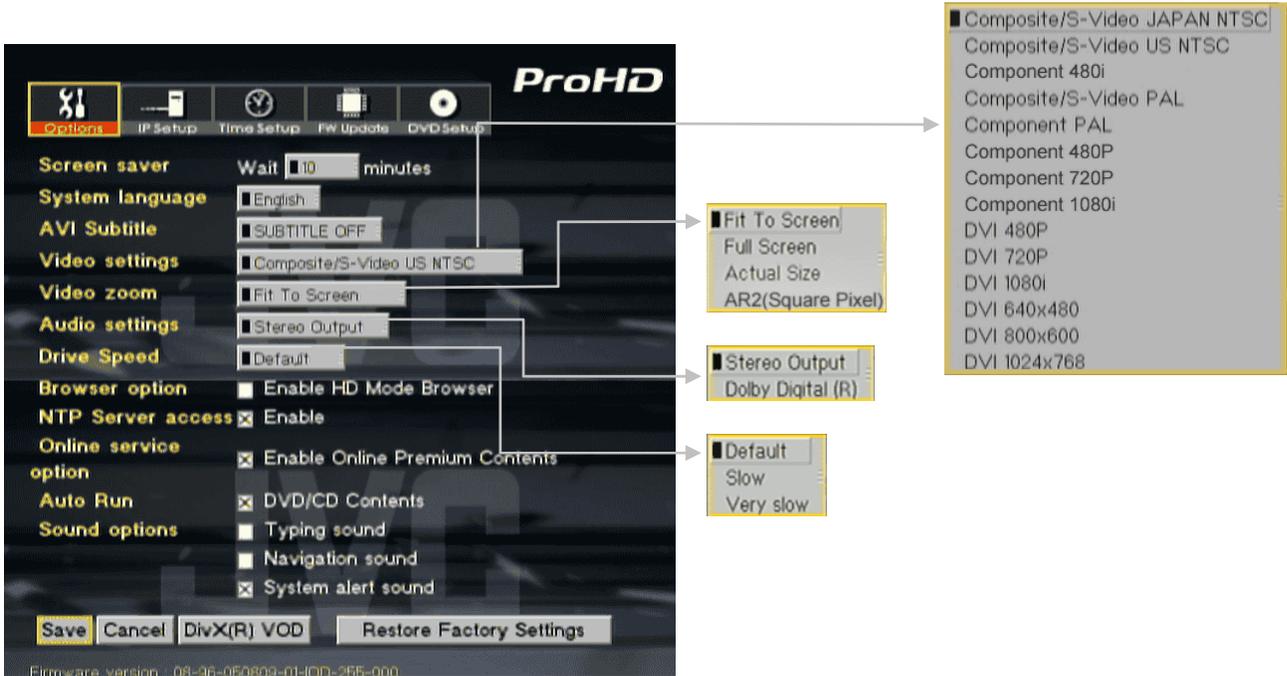
Setup Screen

You can set the various options regarding the AVeL Link Player. Display the Setup screen by pressing the SETUP button on the remote controller.

Options

You can set the options listed below in accordance with the operating environment of your AVeL Link Player.

When all the necessary options are set, move the cursor to Save, and then press the ENTER button on the remote controller.



- Video settings

Specify the output destination of video. You can switch the output mode (Composite/S-Video, Component, DVI-I).

- Video zoom

In the file mode, you can switch the display mode on the screen. Select one of the following three modes:

- Fit To Screen

Image is displayed according to the monitor size. Since the aspect ratio is kept, image will not be distorted. However, black streaks may be shown depending on the monitor.

- Full Screen

Image is displayed according to the monitor size. Since the aspect ratio is not kept, some distortion may occur depending on the file, although image can be displayed over the entire screen.

- Actual Size

Image is displayed in the actual size set in the file. If the image size of the file is larger than the screen, the image will be adjusted to fit the screen.

- AR2(Square Pixel)

This mode adjusts aspect ratio of data. Aspect Ratio: The ratio of the width of an image to its height.

(Please try this mode, if the image, which is displayed by AVeL Link Player, is stretched vertically more than it is shown on PC's screen.)

- Audio settings

Select Stereo or Dolby Digital® [5.1ch].

Reference on AVeL Link Player Screens

- Drive Speed

The setting for DVD drive speed of AVeL Link Player.

To set "Slow" or "Very slow" reduce noise from DVD Drive.

* To change the mode is not affected neither DVD video playback nor CD/DVD media playback.

- Browser Option

You can display an enlarged view of the screen area.

(Check this option if you want to display data on a high-definition TV.)

- NTP Server access

??

- Online service option

??

- Auto Run

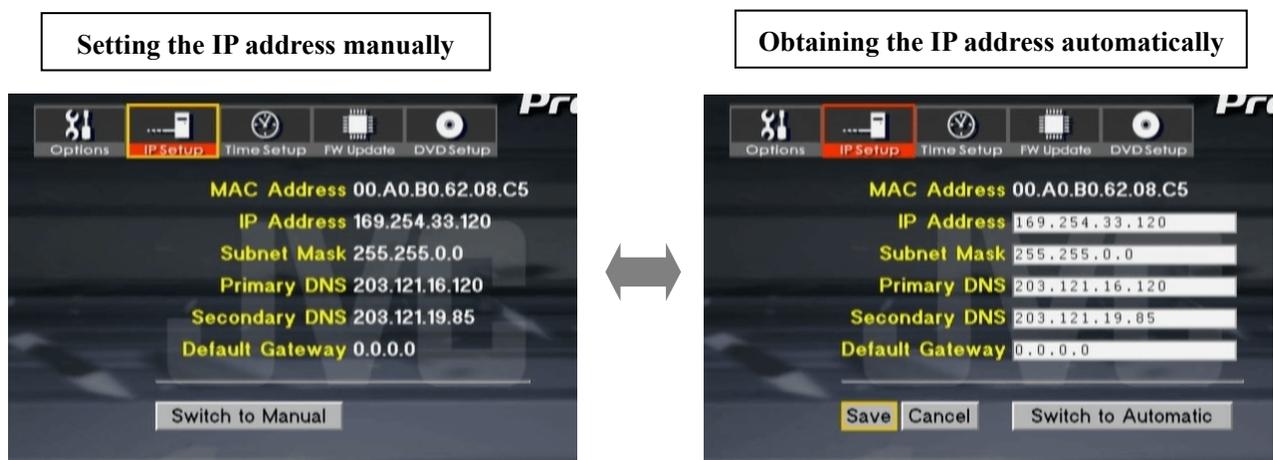
??

- Sound options

Specify if you want to enable Keyboard Input, Navigation and/or Alarm Sound.

■ IP Setup

Select IP Setup, and then press the ENTER button on the remote controller. The current IP settings will be displayed. To specify a different IP address, select Switch to Manual, and then press the ENTER button on the remote controller. After changing the IP address, etc., select the Save button, and then press the ENTER button on the remote controller. To automatically obtain the IP address, select Switch to Automatic, and then press the ENTER button on the remote controller.



* MAC address: The MAC address on the specified wireless LAN is displayed.

- When a router or access point is used (IP address is obtained automatically)
Normally, you can use a router or access point by selecting Obtain (IP address) automatically.
- When the computer has a fixed IP address (Use the following IP address is selected under Internet Protocol (TCP/IP))
Select Set (the IP address) manually. For explanation on the setting data, etc., refer to "Setting the IP Address of the AVeL Link Player" (p.36).

■ Time Setup

This function is not used in the AVeL Link Player (there is no need to set time).



■ FW Update

You can update the firmware.

* The AVeL Link Player must be able to connect to the Internet.



● Check for firmware update

If a newer version of the firmware is found, the update screen will be displayed automatically.

Update the firmware by following the on-screen instructions.

* Never turn off the power while the firmware is being updated. Doing so may cause damage to the hardware.

What is firmware?

Firmware refers to a software program preinstalled in hardware to control the basic functions of the hardware. The firmware of the AVeL Link Player is stored in the internal flash memory. It can be changed at any time to add functions or correct identified flaws.

* For details , refer to "Updating the Firmware" (p.78).

■ DVD Setup



- VCD PBC

You can set the playback control function for video CDs.

If On is selected, a menu will be displayed when a video CD is played.

- DVD Parental Level

You can set the system not to play DVD-Videos that contain any violence or adult materials you don't want your children to see. (This function works only with disks in which the viewing restriction level is set.)

The larger the number, the lower the viewing restriction level becomes.

If Off is set, all DVD-Videos will be played.

- TV Type

Set the display size on the screen. When a DVD-Video is played, the display size may be determined automatically based on the information set in the DVD-Video.

- Enable Auto Play

When On is set, the AVeL Link Player will automatically play the DVD-Video or other medium set in the tray.

- Set Password

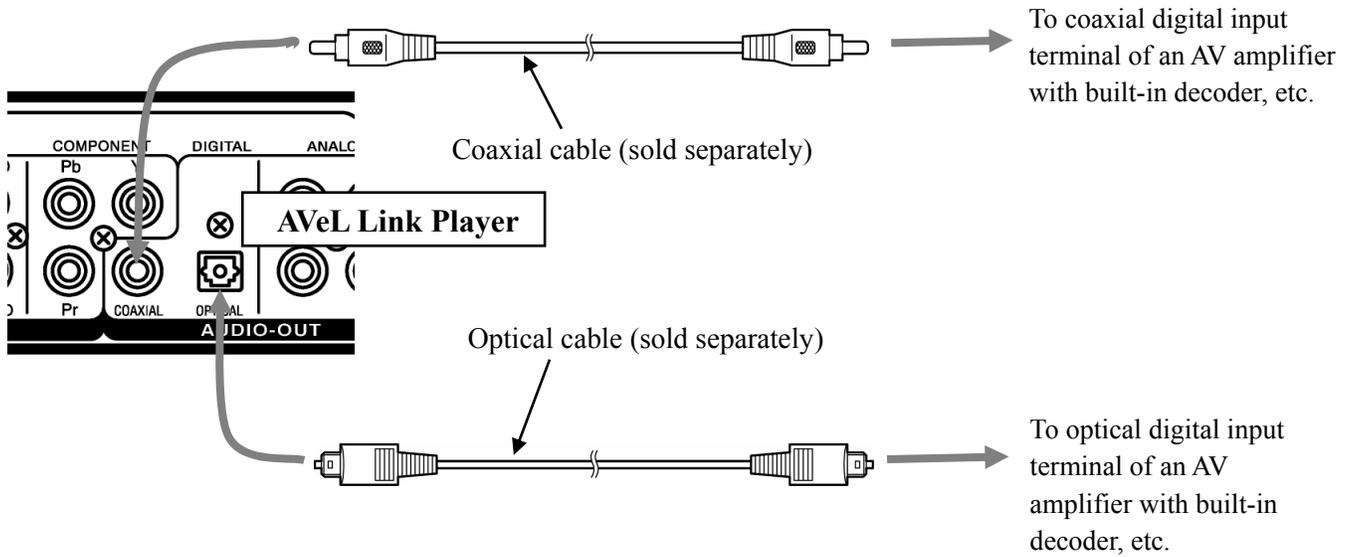
Set a password if you don't want others to change the data you have set.

To change the password, enter the current password and the new password.

* The default password is "0000."

Connecting Other Equipment

Connecting an AV Amplifier



Using I-O DATA Hard Disk Drive(UHDL SERIES)

The AVeL Link Player can play data in the I-O DATA Hard Disk Drive (UHDL SERIES manufactured by I-O DATA DEVICE, INC.) connected via network. The playback procedure is described below.

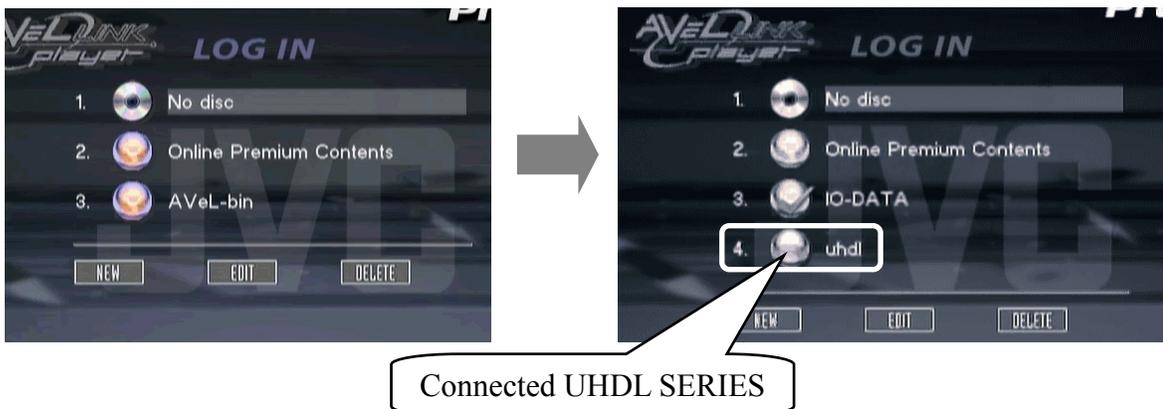
Also refer to the user's manual for your UHDL SERIES for the connection, setting and other operations relating to the UHDL SERIES. Refer to the appropriate pages of the online manual.

1 Connect the UHDL SERIES to the network.

2 Enable AVeL Link Server in the UHDL SERIES's setup screen.
(The default setting of UHDL is "on".)



3 When AVeL Link Server is started, the UHDL SERIES will be recognized automatically.



? When the UHDL SERIES is not displayed
Confirm once again that AVeL Link Server Function is set to on (enabled) in step **2**.

4 Select UHDL SERIES, and then press the ENTER button on the remote controller.

5 Select VIDEO, MUSIC or PHOTO, and then press the ENTER button on the remote controller.

Play video, music or picture data.



Updating the Firmware

The following describes how to update the firmware of the AVeL Link Player.

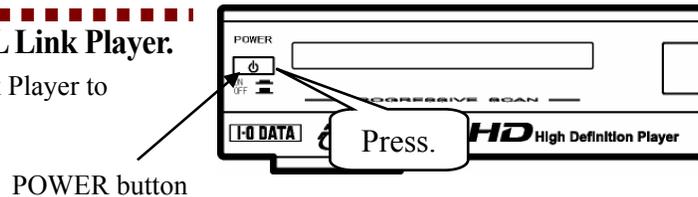
* The AVeL Link Player must be able to connect to the Internet.

Powering Up the AVeL Link Player

1

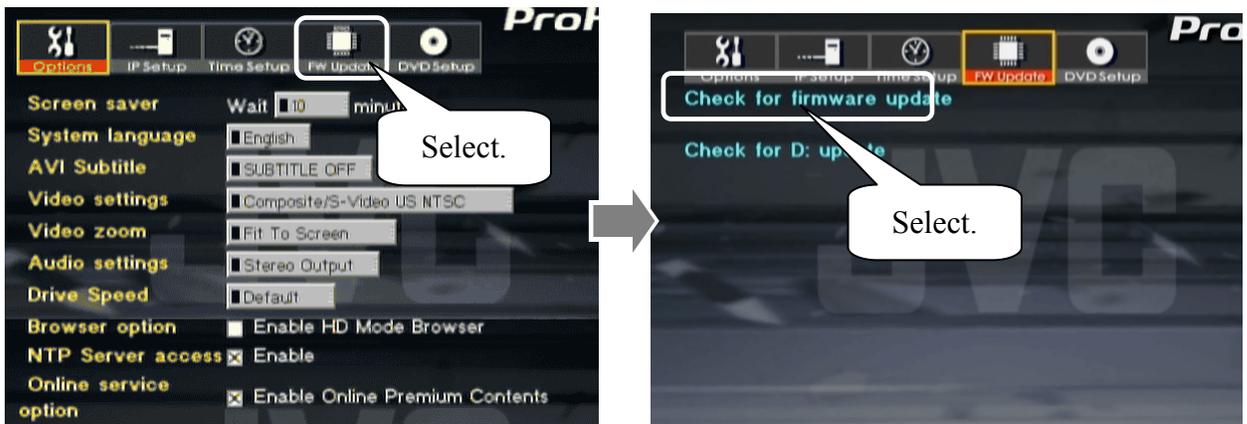
Press the POWER button on the AVeL Link Player.

* It takes several seconds for the AVeL Link Player to power up.



2

Press the SETUP button on the remote controller, select FW Update, and then press the ENTER button on the remote controller.



3

Follow the on-screen instructions.



Point!

- Never turn off the power while the firmware is being updated. Doing so may cause damage to the hardware.

Content of the CD-ROM

AVeL Link Advanced Server	Server software that lets you play or display the video, audio and still image data stored in the computer, using the AVeL Link Player.
AVeL Link Server	

Uninstalling AVeL Link Server

The following describes how to uninstall the support software you have installed in your computer.

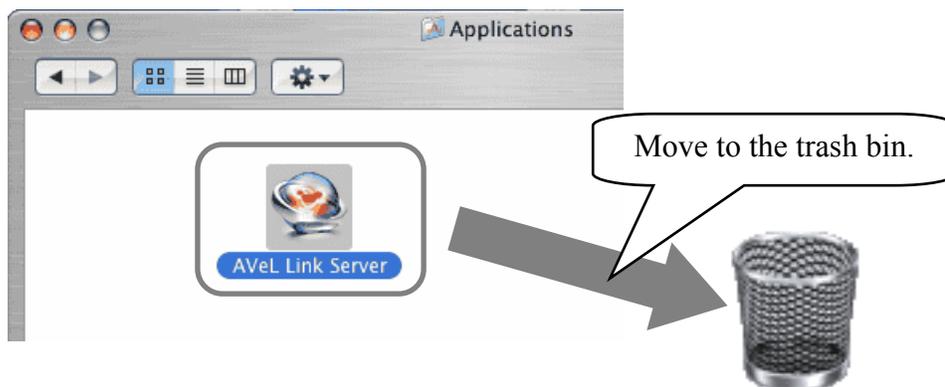
• Windows

1 Click Start, point to (All) Programs, point to AVeL Link Server, and then click Uninstall AVeL Link Server.

2 Follow the on-screen instructions.

• Mac OS X

- Move the AVeL Link Server icon to the trash bin.



Specifications

Supported media ^{*1}	DVD-R/-RW/+R/+RW, CD-R/RW (supported disk size: 8 cm/12 cm)
Supported media formats	DVD-VIDEO, CD-ROM, DVD-ROM, CD-DA, VIDEO-CD
Network (wired)	Conforming standards IEEE802.3, IEEE802.3u (10BASE-T/100BASE-TX)
	Communication speed 10 M / 100 Mbps
	Connector RJ-45
USB host Interface	USB specification USB Specification Ver. 2.0 (High Speed, Full Speed)
	Number of connector / connector shape 1 connector, USB A type
	USB BUS power Supported (Max. 500 mA)
	Supported devices Mass storage class (USB hard disk, USB memory, USB card reader/writer)
	Supported file systems FAT16, FAT32
Output terminal	Component Video Out 1 (480i, 480p, 720p, 1080i)
	S-Video Out 1
	Composite Video Out 1
	DVI-I Video Out (HDP supported) 1 (480p, 720p, 1080i, 640x480, 800x600, 1024x758, 852x480)
	Analog Audio Output 2
	Optical digital Audio Output 1
	Coaxial digital Audio Output 1
Power supply	100 to 240 VAC, 50/60 Hz
Power consumption	16 W (normal)
Operating temperature range	5 to 35 °C
Operating humidity range	20 to 80% (non-condensing)
Storage temperature range	-10 to 50 °C
Storage humidity range	10 to 90% (non-condensing)
External dimensions	430 (W) x 291 (D) x 55 (H) mm (excluding projections)
Weight	Approx. 3.5 kg (main unit only)

*1 Basically the AVeL Link Player can play DVD-ROMs and DVD-Videos created on DVD-R, DVD-RW, DVD+R and DVD+RW media. Note that some media may not be played properly.

* Only UDF/ISO Bridge and ISO 9660 are supported.
UDF and PacketLight are not supported.

* Even when the overall bit rate of a DivX file is below the maximum bit rate, some portions of the video data may have very high bit rates. In this case, frames may skip or sound may break in the segments of high bit rates. Playback may even stop if the bit rate remains high for a long duration.

* Also refer to "Supported Formats" (p.9).

[Abbreviations]

Abbreviation	Meaning
Windows XP	General term referring to Microsoft® Windows® XP Professional Operating System and Microsoft® Windows® XP Home Edition Operating System
Windows 2000	Microsoft® Windows® 2000 Professional
Windows 98 SE	Microsoft® Windows® 98 Operating System Second Edition
Windows	General term referring to Windows XP, Windows 2000, Windows 98 SE

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WARNING: This product contains chemicals known to the state of California to cause cancer, and birth defects or other reproductive harm.
Wash hands after handling.

