Roland®

INTERFACE BOX FOR ADAT/TASCAM

DIF-AT

OWNER'S MANUAL

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (Owner's manual p. 2; p. 5). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, Owner's manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

Main Features

- It's possible to exchange audio signals on up to eight channels between an RMDB2-compatible device and a digital multitrack recorder that uses tape, such as the Alesis ADAT or the TEAC DA-98/88/38. It's also possible to sync an RMDB2-compatible device and a digital multitrack recorder that uses tape, such as the Alesis ADAT or the TEAC DA-98/88/38.

* adat® (**adat**® OPTICAL SYNC) *is a registered trademark of Alesis Corporation.*

* TASCAM® (**TASCAM** TEAC Professional Division) *is a registered trademark of TEAC Corporation.*

* *All product names mentioned in this document are trademarks or registered trademarks of their respective owners.*

Roland international website: www.rolandcorp.com/
Roland US website: www.rolandus.com/

USING THE UNIT SAFELY

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About ⚠ WARNING and ⚠ CAUTION Notices

⚠**WARNING**	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
⚠**CAUTION**	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

⚠	The △ symbol alerts the user to important instructions or warnings.The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
🚫	The ○ symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
●	The ● symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power-cord plug must be unplugged from the outlet.

-------------------------------- **ALWAYS OBSERVE THE FOLLOWING** --------------------------------

⚠WARNING

- Before using this unit, make sure to read the instructions below, and the Owner's Manual.

- Do not open or perform any internal modifications on the unit.

- Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

- Never use or store the unit in places that are:
  - Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
  - Damp (e.g., baths, washrooms, on wet floors); or are
  - Humid; or are
  - Exposed to rain; or are
  - Dusty; or are
  - Subject to high levels of vibration.

- Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.

- Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

- Immediately turn the power off, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when:
  - Objects have fallen into, or liquid has been spilled onto the unit; or
  - The unit has been exposed to rain (or otherwise has become wet); or
  - The unit does not appear to operate normally or exhibits a marked change in performance.

- In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

- Protect the unit from strong impact. (Do not drop it!)

⚠ CAUTION

- Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

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- Never climb on top of, nor place heavy objects on the unit.

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- Disconnect all cords coming from external devices before moving the unit.

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Contents

IMPORTANT NOTES

In addition to the items listed under "USING THE UNIT SAFELY" on page 2, please read and observe the following:

■ Power Supply

- Before connecting this unit to other devices, turn off the power to all units. This will help prevent malfunctions and/or damage to speakers or other devices.

■ Placement

- Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- To avoid possible breakdown, do not use the unit in a wet area, such as an area exposed to rain or other moisture.

■ Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

■ Additional Precautions

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.
- When connecting / disconnecting all cables, grasp the connector itself-never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.

Front and Rear Panels

Front Panel
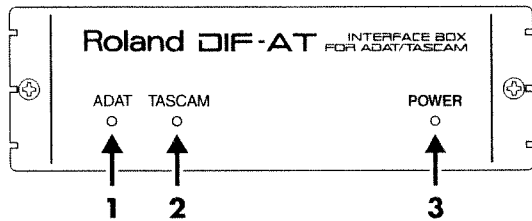
1 ADAT Indicator
This lights up when an Alesis ADAT and an RMDB2-compatible device are connected and both devices are powered up.

2 TASCAM Indicator
This lights up when a TASCAM DA-98, DA-88, or DA-38 and an RMDB2-compatible device are connected and both devices are powered up.

3 Power Indicator
This lights to show that power is being supplied to the DIF-AT.

Rear Panel

4 TASCAM SYNC Connector
This sends and receives control commands between the DIF-AT and a DA-98/88/38. Use the special sync cable for the DA-98/88/38.

5 TASCAM TDIF-1 Connector
This performs input and output for digital audio signals on eight channels between the DIF-AT and a DA-98/88/38. Use the special dubbing cable for the DA-98/88/38.

6 ADAT Digital In/Out Connector (Optical)
This performs input and output for digital audio signals on eight channels between the DIF-AT and an ADAT. Use the special optical cable for the ADAT.

7 ADAT SYNC Connector
This sends and receives control commands and synchronization signals between the DIF-AT and an ADAT. Use the special sync cable for the ADAT.

8 RMDB2 Connector
This sends and receives control commands and synchronization signals and performs input and output for digital audio signals on eight channels between the DIF-AT and an RMDB2-compatible device (Roland VM-3100Pro, VM-7100, VM-7200; etc.). The DIF-AT also receives power through this connector.
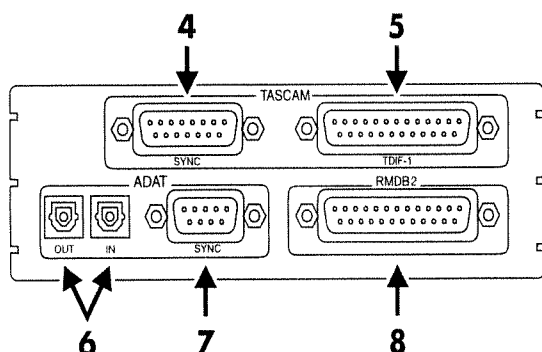
NOTE

To connect the RMDB2 connectors, you must use the cable attached to the DIF-AT,or cables which conform to the RMDB2 standard. Other cables such as for SCSI connection may damage the products.

Making the Connections

Connecting an RMDB2 Device and an ADAT

■ Controlling an RMDB2 compatible Device from an ADAT

Connect the equipment as shown in the figure, and make the settings for the RMDB2-compatible device. For more information about settings, refer to the Owner's Manual for the RMDB2-compatible equipment.
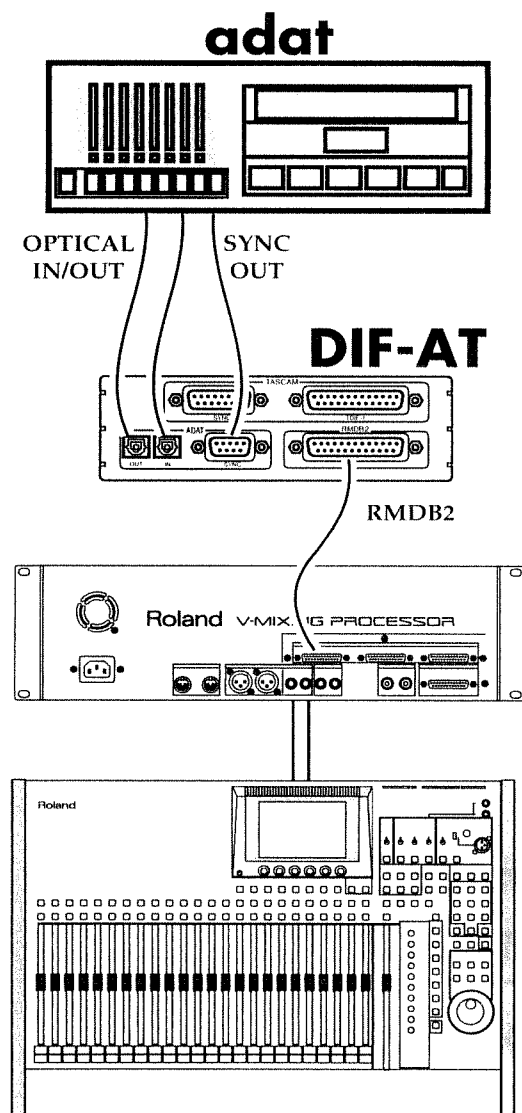
NOTE

To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

NOTE

If you use the optical connector, be sure that the connector cover you removed is placed out of the reach of children.

NOTE

To connect the RMDB2 connectors, you must use the cable attached to the DIF-AT, or cables which conform to the RMDB2 standard. Other cables such as for SCSI connection may damage the products.

MEMO

Audio tracks 1 – 8 on the ADAT correspond to digital input/output 1 – 8 of the RMDB2 connector on the DIF-AT.

■ Controlling an ADAT from an RMDB2 Device

Connect the equipment as shown in the figure, and make the
settings for the RMDB2-compatible device. For more
information about settings, refer to the Owner's Manual for the
RMDB2-compatible equipment.

adat

OPTICAL   SYNC
IN / OUT   IN

DIF-AT

RMDB2

Roland V-MIXING PROCESSOR

Roland
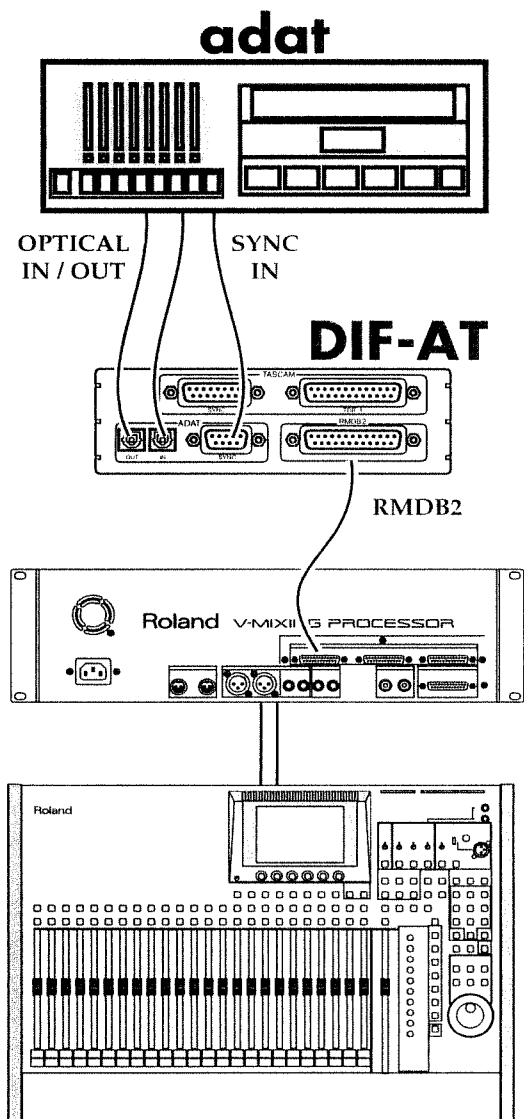
Connecting an RMDB2-Compatible Device and a TASCAM DA Series Device

■ Controlling a TASCAM DA Series Device from an RMDB2 Device

1

Connect the equipment as shown in the figure, and make the settings for the RMDB2-compatible device. For more information about settings, refer to the Owner's Manual for the RMDB2-compatible equipment.

DA-98/88/38

REMOTE IN /   DIGITAL I/O
SYNC IN   TDIF-1

DIF-AT   RMDB2

Roland V-MIXING PROCESSOR

Roland

2

Set the device ID for the RMDB2-compatible device to a setting **other than 0 (zero)**. For information about the device ID setting, refer to the Owner's Manual for the RMDB2-compatible equipment.

3

Set the **machine ID** of the TASCAM DA series device directly connected to the DIF-AT to **0 (zero)**.

Switching the Power On and Off

Switching On the Power

Before you switch on the various pieces of equipment, make sure that all the devices are connected correctly.

1 Turn on the power to the RMDB2-compatible device. The DIF-AT receives power through the RMDB2 cable, and the power indicator on the DIF-AT lights orange.

2 Turn on the power to the ADAT or the TASCAM DA series device. The DIF-AT checks the connection with the ADAT or the TASCAM DA series device, and the corresponding indicator lights green.

3 Turn on the power to the audio equipment.

Switching Off the Power

1 Turn off the audio equipment.

2 Turn off the ADAT or the TASCAM DA series device.

3 Turn off the RMDB2-compatible device. The supply of power through the RMDB2 cable stops, and the power indicator on the DIF-AT is extinguished.

NOTE
Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

NOTE
Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.

Operation

In Combination with an ADAT and an RMDB2-compatible Device

■ Exchanging 8 Channels of Audio Signals

1 Insert a tape into the ADAT.

2 Make the settings for the RMDB2-compatible device. For information about settings, refer to the documentation for the RMDB2-compatible equipment (Roland VM-7200; etc.).

3 Press [DIGITAL IN] on the ADAT.

4 Press [TRACK ENABLE] for the desired track. The track's RECORD and INPUT Indicators flash, and you can monitor the audio signals from the RMDB2-compatible device with the ADAT.

MEMO

The tape must be formatted.

■ Sending and Receiving Commands

Controlling the RMDB2-compatible Device by Operating the ADAT

1 Insert a tape into the ADAT.

2 Make the settings for the RMDB2-compatible device. For information about settings, refer to the documentation for the RMDB2-compatible equipment.
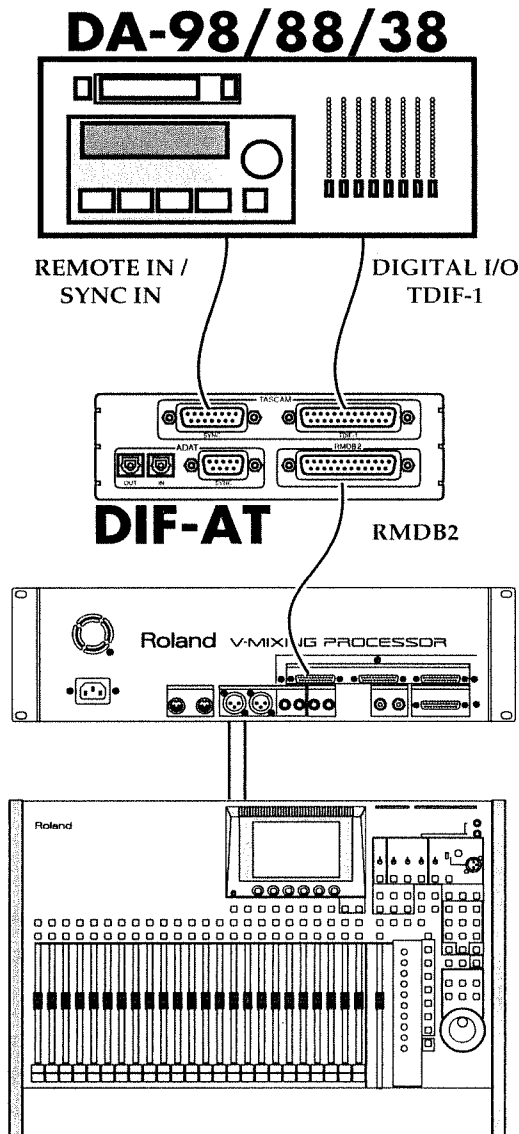
3 Press [PLAY] on the ADAT. This puts the ADAT and the RMDB2-compatible device in the playback state.

MEMO

Pressing [STOP] stops both the ADAT and the RMDB2-compatible device.

Controlling the ADAT by Operating the RMDB2-compatible Device

1 Insert a tape into the ADAT.

2 Make the settings for the RMDB2-compatible device. For information about settings, refer to the documentation for the RMDB2-compatible equipment (Roland VM-7200; etc.).

3 Send a Playback command from the RMDB2-compatible device. This puts the ADAT and the RMDB2-compatible device in the playback state.

MEMO

Sending a Stop command stops both the ADAT and the RMDB2-compatible device.

In Combination with a TASCAM Series Device and an RMDB2-compatible Device

■ Exchanging 8 Channels of Audio Signals

Sending Audio Signals from the TASCAM DA Series Device to the RMDB2 compatible Device

1 Insert a tape into the TASCAM DA series device.

MEMO
The tape must be formatted.

2 Make the settings for the RMDB2-compatible device. For information about settings, refer to the documentation for the RMDB2-compatible equipment (Roland VM-7200; etc.).

3 Put the TASCAM DA series device in playback state.

Sending Audio Signals from the RMDB2-compatible Device to the TASCAM DA Series Device

1 Insert a tape into the TASCAM DA series device.

2 Make the settings for the RMDB2-compatible device. For information about settings, refer to the documentation for the RMDB2-compatible equipment.

3 Press [DIGITAL IN] on the TASCAM DA series device.

4 Press [RECORD FUNCTION] for the desired track. The track LED flashes, and you can monitor the audio signals from the RMDB2-compatible device with the TASCAM DA series device.

■ Sending and Receiving Commands

Controlling the TASCAM DA Series Device by Operating the RMDB2-compatible Device

1 Insert a tape into the TASCAM DA series device.

NOTE
TASCAM DA series cannot send locate commands, so that you cannot control the RMDB2-compatible device by operating the TASCAM DA series device.

2 Make the settings for the RMDB2-compatible device. For information about settings, refer to the documentation for the RMDB2-compatible equipment.

Use Together with the VM-3100Pro

The VM-3100Pro operates at a fixed sampling frequency of 44.1 kHz. This means that when you make a digital connection from an ADAT or a TASCAM DA series device to RMDB2 on the VM-3100Pro through the DIF-AT, you need to give attention to the following points.

VM-3100Pro + DIF-AT + Older ADAT (Black Panel)

When used alone, the older ADAT operates at a sampling frequency of 48.0 kHz. However, when the setting is made for synchronization with external digital input (slave), recording and playback at a sampling frequency of 44.1 kHz becomes possible. **When connecting a VM-3100Pro to an older ADAT, set the older ADAT for slave synchronization.**

■ Slave Synchronization for an Older ADAT

Set the sample clock source for the ADAT to DIGITAL IN.

1 Press [SET LOCATE] and [DIGITAL IN] on the ADAT at the same time. With each press, you are toggled between INT (internal) and DIG (ADAT OPTICAL). Set to DIG.

2 Press [DIGITAL IN] on the ADAT to enable ADAT OPTICAL.

■ Restrictions

- When a tape which was recorded on an older ADAT that was being used on its own, or which was recorded at a sampling frequency of 48.0 kHz is played back on an ADAT connected to a VM-3100Pro, the recording is played back at a sampling frequency of 44.1 kHz, and the pitch is lower. **In such cases, connect the older ADAT to the analog IN/OUT jacks on the VM-3100Pro, without using the DIF-AT.**
- When a tape recorded with an ADAT connected to a VM-3100Pro at a sampling frequency of 44.1 kHz is played back with an older ADAT as a single unit, the recording is played back at a sampling frequency of 48.0 kHz, and the pitch is higher. **In such cases, use an Alesis BRC (ADAT controller) or a similar device to play back the recording with the master clock set at 44.1 kHz.**

MEMO

For more information about sample clock source settings, refer to the Owner's Manual for adat.

- Because the tape counter on an older ADAT connected to a VM-3100Pro counts the number of samples on the tape, it displays times based on a sampling frequency of 48.0 kHz. This means that the time shown deviates from the SMPTE timecode displayed on the VM-3100Pro. **In such cases, the VM-3100Pro displays the correct time.**

VM-3100Pro + DIF-AT + ADAT XT/LT20/XT20/M20

VM-3100Pro + DIF-AT + TASCAM DA-98/DA-88/DA-38

The recorders shown above let you select a sampling frequency of either 44.1 kHz or 48.0 kHz. **When connected to a VM-3100Pro, be sure to format the tape at a sampling frequency of 44.1 kHz.**

■ Restrictions

- When a tape recorded at a sampling frequency of 48.0 kHz is played back with the respective devices connected to a VM-3100Pro, the recording is played back at a sampling frequency of 44.1 kHz, and the pitch is lower. **In such cases, connect the equipment to the analog IN/OUT jacks on the VM-3100Pro, without using the DIF-AT.**

Record Environment \ Play Environment	(1)	(2)	(3)	(4)	(5)	(6)
(1) VM-3100 Pro + DIF-AT + Earlier ADAT	Yes	No	Yes	No	---	---
(2) Earlier ADAT (Alone)	No	Yes	No	Yes	---	---
(3) VM-3100 Pro + DIF-AT + A-DAT(44.1kHz)	Yes	No	Yes	Yes	---	---
(4) ADAT Alone (44.1kHz)	Yes	No	Yes	Yes	---	---
(5) VM-3100 Pro + DIF-AT + DA-98/88/38(44.1kHz)	---	---	---	---	Yes	Yes
(6) DA-98/88/38 Alone (44.1kHz)	---	---	---	---	Yes	Yes

MEMO

For more information about tape format procedure, refer to the Owner's Manual for adat.

Specifications

DIF-AT: Interface Box for ADAT/TASCAM

Indicators
Power indicator
TASCAM indicator
ADAT indicator

Connectors
RMDB2 connector (DB-25)
TASCAM SYNC connector (DB-15)
TASCAM TDIF-1 connector (DB-25)
ADAT optical connectors (in, out)
ADAT SYNC connector (DB-15)

Power Supply
Supplied from connected device (VM-7100, VM-7200, VM-3100Pro, etc.; through RMDB2 cable)

Dimensions
138 (W) x 197 (D) x 43 (H) mm
5-7/16 (W) x 7-13/16 (D) x 1-3/4 (H) inches

Weight
0.6 kg
1 lbz 6 oz

Accessories
RMDB2 cable (1.0 m)
Owner's manual

Information

When you need repair service, call your nearest Roland Service Center or authorized Roland distributor in your country as shown below.

AFRICA

EGYPT
Al Fanny Trading Office
P.O. Box 2904,
El Horrieh Heliopolos, Cairo,
EGYPT
TEL: (02) 4185531

REUNION
Maison FO - YAM Marcel
25 Rue Jules MermanZL
Chaudron - BP79 97491
Ste Clotilde REUNION
TEL: 28 29 16

SOUTH AFRICA
That Other Music Shop
(PTY) Ltd.
11 Melle Street (Cnr Melle and
Juta Street)
Braamfontein 2001
Republic of SOUTH AFRICA
TEL: (011) 403 4105

Paul Bothner (PTY) Ltd.
17 Werdmuller Centre Claremont
7700
Republic of SOUTH AFRICA

P.O. Box 23032
Claremont, Cape Town
SOUTH AFRICA, 7735
TEL: (021) 64 4030

ASIA

CHINA
Beijing Xinghai Musical
Instruments Co., Ltd.
6 Huangmuchang Chao Yang
District, Beijing, CHINA
TEL: (010) 6774 7491

HONG KONG
Tom Lee Music Co., Ltd.
Service Division
22-32 Pun Shan Street, Tsuen
Wan, New Territories,
HONG KONG
TEL: 2415 0911

INDIA
Rivera Digitec (India) Pvt. Ltd.
409, Nirman Kendra Mahalaxmi
Flats Compound Off. Dr. Edwin
Moses Road, Mumbai-400011,
INDIA
TEL: (022) 498 3079

INDONESIA
PT Citra Inti Rama
J1. Cideng Timur No. 15I-150
Jakarta Pusat
INDONESIA
TEL: (021) 6324170

KOREA
Cosmos Corporation
Service Station
261 2nd Floor Nak-Won Arcade
Jong-Ro ku, Seoul, KOREA
TEL: (02) 742 8844

MALAYSIA
Bentley Music SDN BHD
140 & 142, Jalan Bukit Bintang
55100 Kuala Lumpur,MALAYSIA
TEL: (03) 2443333

PHILIPPINES
G.A. Yupangco & Co. Inc.
339 Gil J. Puyat Avenue
Makati, Metro Manila 1200,
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TEL: (02) 899 9801

SINGAPORE
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150 Sims Drive,
SINGAPORE 387381
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Blk 3014, Bedok Industrial Park E,
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N.Road Sec.2, Taipei, TAIWAN,
R.O.C.
TEL: (02) 2561 3339

THAILAND
Theera Music Co. , Ltd.
330 Verng NakornKasem, Soi 2,
Bangkok 10100, THAILAND
TEL: (02) 2248821

VIETNAM
Saigon Music
138 Tran Quang Khai St.,
District 1
Ho Chi Minh City
VIETNAM
TEL: (08) 844-4068

AUSTRALIA/ NEW ZEALAND

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Roland Corporation
Australia Pty., Ltd.
38 Campbell Avenue
Dee Why West. NSW 2099
AUSTRALIA
TEL: (02) 9982 8266

NEW ZEALAND
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97 Mt. Eden Road, Mt. Eden,
Auckland 3, NEW ZEALAND
TEL: (09) 3098 715

CENTRAL/LATIN AMERICA

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R. Coronel Octaviano da Silveira
203 05522-010
Sao Paulo BRAZIL
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Avenida Rancagua #0330
Providencia Santiago, CHILE
TEL: 56-2-373-9100

EL SALVADOR
OMNI MUSIC
75 Avenida Notre y Alameda
Juan Pablo 2 No. 4010
San Salvador, EL SALVADOR
TEL: (503) 262-0788

MEXICO
Casa Veerkamp, s.a. de c.v.
Av. Toluca No. 323 Col. Olivar de
los Padres 01780 Mexico D.F.
MEXICO
TEL: (525) 668 04 80

La Casa Wagner de
Guadalajara s.a. de c.v.
Av. Corona No. 202 S.J.
Guadalajara, Jalisco Mexico
C.P.44100 MEXICO
TEL: (3) 613 1414

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Productos Superiores, S.A.
Apartado 655 - Panama 1
REP. DE PANAMA
TEL: (507) 270-2200

URUGUAY
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URUGUAY
TEL: 5982-924-2335

VENEZUELA
Musicland Digital C.A.
Av. Francisco de Miranda,
Centro Parque de Cristal, Nivel
C2 Local 20 Caracas
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TEL: (02) 285 9218

EUROPE

AUSTRIA
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Siemensstrasse 4, P.O. Box 74,
A-6063 RUM, AUSTRIA
TEL: (0512) 26 44 260

BELGIUM/HOLLAND/ LUXEMBOURG
Roland Benelux N. V.
Houtstraat 3 B-2260 Oevel
(Westerlo) BELGIUM
TEL: (014) 575811

DENMARK
Roland Scandinavia A/S
Nordhavnsvej 7, Postbox 880
DK-2100 Copenhagen
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FRANCE
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4, Rue Paul Henri SPAAK
Parc de l'Esplanade F 77 462 St.
Thibault Lagny Cedex FRANCE
TEL: 01 600 73 500

FINLAND
Roland Scandinavia As,
Filial Finland
Lauttasaarentie 54 B
Fin-00201 Helsinki, FINLAND
TEL: (9) 682 4020

GERMANY
Roland Elektronische
Musikinstrumente
Handelsgesellschaft mbH.
Oststrasse 96, 22844 Norderstedt,
GERMANY
TEL: (040) 52 60090

GREECE
STOLLAS S.A.
Music Sound Light
155, New National Road
26422 Patras, GREECE
TEL: 061-435400

HUNGARY
Intermusica Ltd.
Warehouse Area 'DEPO' P1.83
H-2046 Torokbalint, HUNGARY
TEL: (23) 511011

IRELAND
Roland Ireland
Audio House, Belmont Court,
Donnybrook, Dublin 4.
Republic of IRELAND
TEL: (01) 2603501

ITALY
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Viale delle Industrie, 8
20020 Arese Milano, ITALY
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NORWAY
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PORTUGAL
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SWEDEN
Roland Scandinavia A/S
SWEDISH SALES OFFICE
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SWITZERLAND
Roland (Switzerland) AG
Musitronic AG
Gerberstrasse 5, CH-4410 Liestal.
SWITZERLAND
TEL: (061) 921 1615

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295400 Munkachevo, UKRAINE
TEL: (03131) 414-40

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Enterprise Park SWANSEA
SA7 9FJ,
UNITED KINGDOM
TEL: (01792) 700139

MIDDLE EAST

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Moon Stores
Bab Al Bahrain Road,
P.O. Box 20077
State of BAHRAIN
TEL: 211 005

CYPRUS
Radex Sound Equipment Ltd.
17 Diagorou St., P.O. Box 2046,
Nicosia CYPRUS
TEL: (02) 453 426

ISRAEL
Halilit P. Greenspoon &
Sons Ltd.
8 Retzif Ha'aliya Hashnya St.
Tel-Aviv-Yaho ISRAEL
TEL: (03) 6823666

JORDAN
AMMAN Trading Agency
Prince Mohammed St. P.O. Box
825 Amman 11118 JORDAN
TEL: (06) 4641200

KUWAIT
Easa Husain Al-Yousifi
P.O. Box 126 Safat 13002
KUWAIT
TEL: 5719499

LEBANON
A. Chahine & Fils
P.O. Box 16-5857 Gergi Zeidan St.
Chahine Building, Achrafieh
Beirut, LEBANON
TEL: (01) 335799

OMAN
OHI Electronics & Trading
Co. LLC
P.O. Box 889 Muscat
Sultanate of OMAN
TEL: 959085

QATAR
Badie Studio & Stores
P.O. Box 62,
DOHA QATAR
TEL: 423554

SAUDI ARABIA
aDawliah Universal
Electronics APL
P.O. Box 2154 ALKHOBAR 31952,
SAUDI ARABIA
TEL: (03) 898 2081

SYRIA
Technical Light & Sound
Center
Khaled Ibn Al Walid St.
P.O. Box 13520
Damascus - SYRIA
TEL: (011) 2235 384

TURKEY
Barkat Muzik aletleri ithalat
ve ihracat limited ireketi
Siraselviler Cad. Billurcu Sok.
Mucadelle Cikmeze No. 11-13
Taksim. Istanbul. TURKEY
TEL: (0212) 2499324

U.A.E.
Zak Electronics & Musical
Instruments Co.
Zabeel Road, Al Sherooq Bldg.,
No. 14, Grand Floor DUBAI
U.A.E.
P.O. Box 8050 DUBAI, U.A.E.
TEL: (04) 360715

NORTH AMERICA

CANADA
Roland Canada Music Ltd.
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5480 Parkwood Way Richmond
B. C., V6V 2M4 CANADA
TEL: (0604) 270 6626

Roland Canada Music Ltd.
(Toronto Office)
Unit 2, 109 Woodbine Downs
Blvd, Etobicoke, ON
M9W 6Y1 CANADA
TEL: (0416) 213 9707

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Roland Corporation U.S.
5100 S. Eastern Avenue
Los Angeles, CA 90040-2938,
U. S. A.
TEL: (323) 890 3700

As of June 11, 1999

16

DIF-AT Supplementary Notes

Following are supplementary notes that explain some important points that have not been in the Owner's manual.

> **Please be sure to power off the DIF-AT first before formatting a tape formatted for the ADAT or TASCAM DA Series.**

Compatible device when use with the VM-3100Pro.

The products Roland ensure the compatibility when use with DIF-AT and Roland's VM-3100Pro are as follows:

TASCAM	DA-98	(*1)
	DA-88	(*1)
	DA-38	(*1)
ALESIS	adat	(*2)
	adat XT	(*2)
	adat LX20	(*2)
	adat XT20	(*2)
	adat M20	(*2)
YAMAHA	01V (with the MY8-AT)	(*3)
	01V (with the MY8-TD)	(*4)
	02R (with the CD8-AT)	(*3)
	02R (with the CD8-TD)	(*4)
APOGEE	PSX-100	(*3)

(*1) Audio in/out and time code can be sync'd only when the TASCAM DA Series is set as the master of the sampling clock. Machine control is available only via VM-3100Pro.

(*2) Machine control is available only via the equipment that set as the master of the sampling clock.

(*3) Only allows to input/output the audio signals.

(*4) Allows to input/output the audio signals when the 02R or 01V is set as the master of the sampling clock.

Caution in connecting the DIF-AT to the VM-3100Pro.

Please make sure to follow the procedure below when you connect the DIF-AT to the VM-3100Pro.
Particularly, please specify the "ClockSel" of the "DIF-AT PREF" parameter and "MasterClk" settings yourself, even though the LCD shows the value you would like to set.

■ DIF-AT PREF

Please refer to the VM-3100Pro Owner's manual p.58 "Setting the DIF-AT."
ThruToMTC: ON

Connecting an adat

AudioSel: adat
TC Master: adat

To set the VM-3100Pro as a master of the sampling clock.

ClockSel: RMDB-2

To set an ADAT as a master of the sampling clock.

ClockSel: adat

Connecting a TASCAM DA series device

TASCAM DA-series works only when it is set as the master of the sampling clock.
ClockSel: DA-88
AudioSel: DA-88
TC Master: DA-88

■ MasterClk

Please refer to the VM-3100Pro Owner's manual p.58 "Using the RMDB II connector for input of digital signals."

To set the VM-3100 as a master of the sampling clock.

MasterClk: INTERNAL

To set an ADAT or a TASCAM DA Series device as a master of the sampling clock.

MasterClk: RMDB-2

■ SYSTEM MIDI

Please refer to the VM-3100Pro Owner's manual p.56 "Setting MIDI channel and making other MIDI settings."
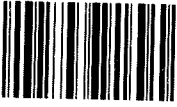**TimingMon.:**   TIMECODE
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