IMG Stage Line®

PORTABLE COMPACT DIGITAL AUDIO RECORDER

WITH TOUCH SCREEN, USB PORT AND MICRO SD CARD SLOT

DPR-2004 Bestellnummer 25.3940 CE

INSTRUCTION MANUAL

Dear customers,

Thank you for purchasing the Portable Digital Audio Recorder. This high quality digital audio recorder equips a leading color display touch panel and Li-Polymer rechargeable battery for easy operation. Please read the User's Guide carefully before you use the machine.

Important Notes

The unit is suitable for indoor usage, please protect it against dripping water and splash water, high humidity and heat condition, and keep away from fire and direct sun shine.

Please do not take apart or repair the recorder by yourself, pleased bring the device back to your retailer or to a local service vendor for repair and assistance.

Please use the DC power charger of USB type in correct 5V DC specification.

The built-in color display touch panel is a fragile electronic part, please do not press on it heavily and do not touch it with sharp objects. We suggest you use dry, soft cloth to clean it.

The SD card is a very precise electronic device, please use it according to the following notice: Prevent taking the SD card out of the machine during data transmission. Please make sure the SD card you are using has been formatted (the format type is FAT32). Please release the write protection switch of SD card before you record. We do not guarantee the function, operation or life of any SD card that is used in the device. We do not also take any responsibility of indemnity for the damaged of SD cards. Like any digitally stored data, data shall be backed up regularly. In no event, we will be liable to any indirect incidental, special or consequential damaged to any person caused by, or for any lost profits, lost savings, loss of use, loss revenues or lost data arising from or relating to this device.

The recorder processes large amount of data during recording and playback, we strongly suggest you to use high speed SD card as extension memory only, to prevent noise, data lost or any transmission problem.

Parts Description
(Switches, Connectors, and Buttons)
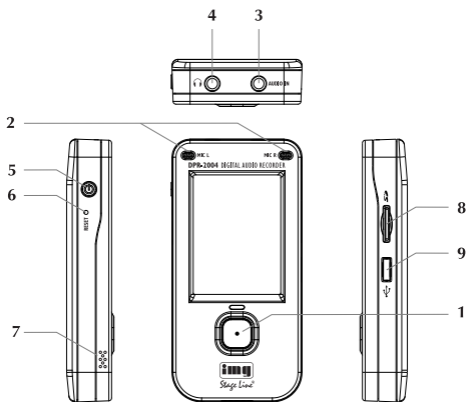
1.**Record button**: press the button to start recording, or stop recording.

2.**Built-in microphone** "L" & "R" channel: omni-directional condenser microphones.

3.**Audio-in**: it allows audio input of external microphone (stereo L & R channels), E.guitar, or Line-in.

4.**Earphone jack**(Stereo): when plug in an earphone, the built-in speaker will be switched off.

5.**Power ON/Lock/OFF button**: press the button to turn on the device, the device will switch on and enter the operating mode. Press the button during operating to lock Record button and Touch Panel, press the button again to release lock function. Press the button still for two seconds to turn off the machine.

6.**Reset**: when all the buttons are no working, use a tip tool to press the button to reset the device.

7.**Built-in speaker**: an monitor speaker is installed, it will stop working when earphonea is plug in.

8.**MicroSD card socket**: allow to install a MicroSD memory card.

9.**USB socket/Battery charging/DC power in**: Use a USB cable to connecting with computer for battery charging, or files transfer. You may also use a USB type DC adaptor (DC5V) to work or charge the machine.

Power on/off and Lock

1. Press Power button for 1s, the LCD display will show up Main Function mode. To turn off the machine, press the Power switch for 2s in operation.
2. To prevent careless operation during recording, you may press Power button once to lock Record button and touch panel. The display will show LOCK mark. Press the Power button again to lease lock mode.
3. To save battery power, the backlight of LCD display will turn dark and sleep according to your setup (please read instruction SET/Backlight) automatically. Touch the panel again will turn display on immediately.
4. Make sure to turn off the power of machine after operation.

Touch Panel

Use your finger tip or monitor touch pen to operation touch panel. Touch the buttons on the LCD to operate the function you want, the color of the button will change when it is working.

Button Control

Touch the button to playback the recording files .

Touch the button once to go to next file, hold down the button to move quickly; Hold down the key during playing to fast foward.

Touch the button once to go to previous file, hold down the button to move quickly; Hold down the key during playing to fast rewind.

Touch the button to delete recording files.

Touch the button to enter menu setup

Touch the button to upward item selection or increase vol. level

Touch the button to downward item selection or decrease vol. level

Back to last page, or stop any processing job.

Notice:
Do not use a sharp object to operate the touch panel to prevent scrape on its surface.

Main Function Mode
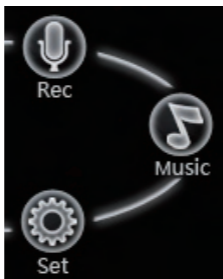
1. Press Rec button to enter RECORD mode. You may setup record meau, view, playback or delete recording files, and start to record.

2. Press Music button to enter MUSIC mode. You may listern to the MP3 music download from computer, setup play menu, view, playback or delete music files.

3. Press Set button to enter SET mode. You may setup all functions of this machine, such as DATE/TIME, backlight time, brightness of LCD display, view the memory capacity, adjust the precise level of touch panel and return Default setup.

RECORD MODE

How to setup Record Menu

1. Record to: select the memory source and folder you want to record to.
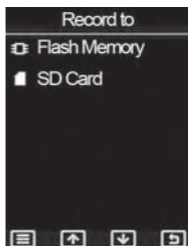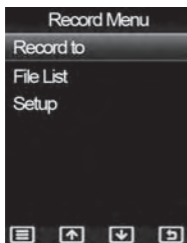
Select record to Flash memory or SD card.

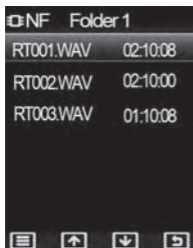There are 1 - 9 folders inside both Flash memory and SD card. Each 99 files can be stored in each folder.

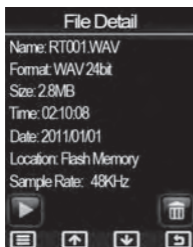Touch the folder you want to record to, or touch [↑][↓] to select the folder.

RECORD MODE

How to setup Record Menu

2. File list: show up all the recording files on the selected memory source and folder.

Touch the file you want to view, or touch ⬆⬇ to select the file.

The display will show up the file details.
You may playback or delete the file directly from this page.

RECORD MODE

How to setup Record Menu

3. SETUP: select the Record Format, Sample Rate and Audio Source you want to record.

Record Format: touch the position, and switch to WAV16bit, WAV24bit or MP3.
Sample Rate: touch the position, and swich to 8/11/22/32/44/48KHz. For MP3 record format, only 44KHz sample rate.
Audio Source: touch the position, and switch to MIC/Guitar/Line-in. After switching, the Audio Souce symbol will show up on the REC screen, before file name (ex. RT01).

MIC	Guitar	Line-in

START TO RECORD

1. Press the REC key to start to record. The LED will light up.
2. The volume indicator of both "L" and "R" channels will show on the LCD. You may adjust input volume by touch ⬆️⬇️ buttons. Please keep the volume level within green area, if the level up to red area, the recordig sound quality might be distorted.
3. Touch the 🔴 button to pause recording, the symbol will change to ⏸️ , touch the key again to resume recording.
4. Touch the REC key again to stop recording. The LED will turn off.
5. When the memory is full, the reording will stop automatically, and show FULL on the screen.

Suitable position to record
1. The built-in microphones are of omni-directional condenser microphone type, the sound collecting area is wide without direction limited.
2. To produce best recording result, we suggest you put the machine at a distance of around 60cm from the sound source, at table height.
3. In situation where multiple instruments are played simultaneously, the machine shall be positioned near to the instruments with smaller sound levels - or we suggest you use extension microphones for better collecting area.

Playback recording
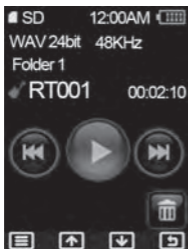
1. Touch ▶ to playback recording file, the button will turn green color and start to playback. To pause playback touch the button again, then touch it again to resume playback.

2. During playback the LCD will show file time indicator.

3. Touch ⬇⬆ to increase or decrease output volume level, volume level will shows on the LCD.

4. Touch A-B during playback to define a loop start point (A point), then press the button again to indicate the loop end point (B point). The music will then play from A to B again and again loop until you press the button again to stop.

5. Touch ⏮ or ⏭ to playback the next or last file, hold the button during playback to forward and rewind playing.

Delete files
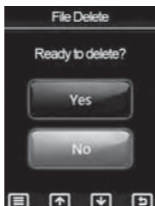
Touch the 🗑 to delete the file you want, the machine will start confirm process with you again, press Yes button to complete delete file job, press No to undo delete file job.
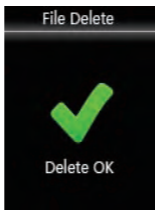
In Music Mode, apply same delete file process as "delete music".

MUSIC MODE - *play your music*
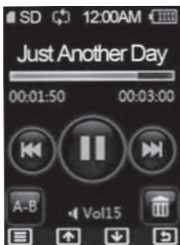
1. Copy your favorite music from your computer to this machine, and you will enjoy the high quality sound performance from it.
2. The buttons control in Music mode please refer to the introduction of **Playback recording.**

How to setup Music Menu

1. Enter Menu setup. Touch [↑] or [↓] to do upward or downward menu items selection.

2. Touch **Play from** to select music playback source from Flash memory or SD card, then select play from Folder 1 to 9.

2. Touch **Song List** to view all the songs inside the memory/folder you select above. Touch the song under the list to Play, to view Song Detail, or Join My Favorite.
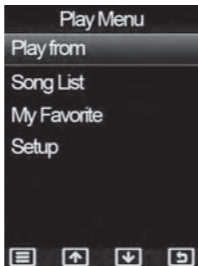
3. Touch **My Favorite** to view the songs under my favorite list. Touch the song under the list to view Song detail, to Play, or to Delete the song from My Favorite.

4. Touch **Setup** to setup music playback modes:
   Repeat: Once/All/Off
   Shuffle: On/Off
   EQ: Normal/Classic/Pop/Jazz/Bass
   The above playback modes will show up on LCD.

SET MODE
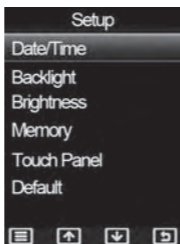
1. Touch **Date/Time** to setup the date, time and time format (12hr or 24hr) of your living area. The setup will be kept in memory unless the battery is out of power for many months.

2. Touch **Backlight** to select the time when you want the backlight be turned dark and turned off.

3. Touch **Brightness** to adjust the brightness of LCD display.

4. Touch **Memory** to view the memory capacity of Flash memory or SD card. And how much be occupied by REC and Music modes.

5. Touch **Touch Panel** to adjust the precise level of touch panel. We suggest you adjust it when you start to use this machine.

6. Touch **Default** to give up all the setups made by users, and back to the original factory setup.

Battery charge

1 The machine equips a Li-Polymer rechargeable battery to provide convenient power supply.

2. To charge the battery, plug the included USB cable into the USB socket of this machine, and plug the other end to a USB adaptor or computer. For the first charge, pleased charge the battery for over 8 hours.

3. When you connect USB port with your computer, the machine will turn to battery charging mode automatically. If you want to use the machine at the same time of charging, press RECORD button twice, the machine will enter Main mode immediately. Then you can select to operate the function you want.

4. The battery power capacity will show up on the LCD display. If the power is lower to the last stage, please charge the battery immediately.

5. To save battery power, the LCD display will turn dark or sleep according to your setup automatically.   In sleeping mode, the LCD will turn on immediately when you touch the panel again. Remember to turn off the machine when you finish working on the machine to save battery power.

6. Do not replace the rechargeable battery by yourself, contact with you retailer or a local service vender for assistance.

Transfer to and from your computer

1. This machine can be connected with computer, to copy and store your recording files on your computer (to backup your date), or download music to play at this unit.

2. When you connect USB port with your computer, the machine will be detect as two removeable disks (the first disk represents the built-in flash memory; the second disk represents the SD card memory). And you will find forlders of REC and MUSIC in each removable disks. The REC folder is to store the files in REC mode (the files you recorded by this machine); The MUSIC folder is to store the files in Music Mode (the music you download from computer).

3. Inside each REC and MUSIC folders, there are 1 - 9 folders for your easy management. You may store 99 files or music songs into each folders.

4. After files transfer with your computer, you may press RECORD button twice to leave computer mode, and resume to use the machine during battery charging.

Specifications

TFT display	: 1.8", 128(RGB) x 160
Touch panel	: 1.8" R type
Recording media	: Internal flash memory 2GB, MicroSD memory card (16MB - 32GB)
SD card format type: FAT 32	
Recording format	: WAV16bit / 24bit, sample rate: 8/11/16/22/32/44.1/48KHz; MP3 (bit rate: 128Kbps), sample rate: 44.1KHz
Playback format	: WAV: PCM WAV with sample rate of 8/11/16/22/32/44.1/48KHz. MP3: MPEG1, MPEG2, MPEG2.5 layer 3, from 32K ~320Kbps.
S/N ratio at 1KHz	: 60dB
Frequency response: 20 - 20KHz	
Built-in microphone	: omni-directional condenser microphone
Input	: 1/8" stereo for selection of extension microphone,Line-in, and E. guitar.
Output	: 1/8" stereo headphone
Built-in speaker	: 8 ohms, 0.2W
USB interface	: Micro B type 2.0
Built-in battery	: Li-Polymer 3.7V, 1.18Wh
Power requirement: Built-in Li-polymer rechargeable battery or USB DC adaptor 5V (not included)	
Battery life	: approx. 4 hours for recording, or 5 hours for playback (by earphone)
Dimension	: 90 (L) x 44 (W) x 15.5 (D) mm
Accessories	: USB cable, headphone, punch bag and tie-clip mic.

Optional microphone DPR-2004MIC

Microphone type	: Omni-directional condenser microphone
Frequency response	: 20 - 20KHz
Audio output	: 1/8" stereo
Earphone output	: 1/8" stereo
Power requirement	: AAA battery x 1pc
Battery life	: approx. 8 hours

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