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WARNING
TO PREVENT FIRE OR OTHER HAZARD, DO NOT EXPOSE THIS APPLIANCE TO SUNLIGHT, RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS
1) Read these instructions.
2) Keep these instructions.
3) Head all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with a dry cloth.
7) Do not block any ventilation opening(s), install in accordance with the manufacturer's instructions.
8) Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the set, contact your dealer.

This appliance shall not be exposed to dripping or splashing water and near no object filled with liquid such as vases shall be placed on the device.

Unit Diagram and Component Names / Functions

1. Cassette Tape Door
2. Counter (Tape Revolution) Display
3. Counter Reset Button
4. Power LED Indicator
5. Power Button
6. Line In/Cassette Selection Switch
7. Recording [REC LEVEL] Level +/- Knob
8. Recording [REC] Cr02 Button
9. Play Cr02 Button
10. Recording Level Indicator Display
11. Record [REC] Button
12. Play [PLAY] Button
13. Rewind [REW] Button
15. Stop & Eject [STOP/EJ] Button
16. Pause [PAUSE] Button
17. 9 Volt DC Power Adapter [DC IN =9V] Connection
18. USB [USB] Connection
19. Speaker Monitor Volume [VOLUME] +/- Knob
Basic Operation

1. Connect the DC adapter to the **power outlet** and plug the other end to the **DC jack connection** on the back of the unit.

   **NOTE:** Before plug the DC jack on the back of the unit; please make sure the “POWER” button is shut off.

2. Press the POWER button to turn the unit on.

Cassette Tape Use

**Tape Handling:**

Do not store tapes in the following places:

1. On top of heaters, exposed to direct sunlight or in any other places with high temperatures.
2. Near speakers, on TV sets or amplifiers or **where the unit may be** exposed to strong magnetic fields.
3. Where humidity is high and in dirty, dusty places.
4. Avoid dropping or subjecting cassettes to excessive shocks.
5. **Avoid use of C-120 tapes as these types of tapes** are physically weak and could become entangled in the transport mechanism.

**Loading a Cassette Tape:**

1. Use your finger or a pencil to turn the cassette hub and take up any **slack in the tape**.
   
   Note: Avoid touching the tape. Fingerprints attract dust and dirt.
2. Press the **STOP/EJ** button to open the cassette door.
   
   Note: The cassette holder cannot be opened during recording or playback.
3. Load the cassette tape with its open edge facing down.
4. Gently close the **cassette compartment door**.

**MAINTENANCE:**

The heads and tape path should be cleaned and demagnetized periodically (Cleaning materials not included).

**Cleaning Tape Path:**

Apply head cleaning fluid to a cotton swab or soft cloth, and lightly rub the heads, capstan and all
metal parts in the tape path.

The pinch roller may be cleaned using rubber cleaning fluid.

Demagnetizing Heads:
Be sure that the power is off, and then demagnetize the heads using a demagnetizer (not included). For details of demagnetizer use, read instructions included with your demagnetizer.

Listening to a Tape

1. Use the CASSETTE / LINE IN switch and select the E position.

2. Plug the RCA Cable into the PLAY OUTPUT jack at the back of the unit, be sure that the red RCA Cable is inserted into the red jack and the white RCA Cable is inserted into the white jack. Plug the other ends of the RCA Cable into the auxiliary input (Aux) on your TV, home entertainment receiver or other music system. Be sure the red RCA Cable is inserted into the red jack and the white RCA Cable is inserted into the white jack.

3. Press the STOP/EJ button to open the cassette door and insert a cassette tape. Gently close the cassete compartment door.

4. Press COUNTER RESET button to zero the and get ready to count the tape’s revolutions.

5. Press the PLAY ( button. 
NOTE: IF the tape is a Cr02 version, select the PLAY Cr02 button first, then press PLAY button.

At the end of the cassette tape, the cassette will stop automatically.

6. Fast forward and rewind.

Press the fast forward or rewind button to advance and rewind the tape, respectively.
7. Pausing the playback.

To pause the tape press the **PAUSE** button. Pressing the PAUSE button again resumes tape’s play.

8. Stopping the tape playback.

To Stop the tape completely press the **STOP/EJ** button.

**Recording to a Tape (from audio source)**

1. Push the **CASSETTE / LINE IN to LINE IN** position.

2. Plug the RCA Cable into the REC INPUT jack at the back of the unit, be sure that the red RCA Cable is inserted into the red jack and the white RCA Cable is inserted into the white jack. Plug the other ends of the RCA Cable into the auxiliary input (Aux) on your TV, home entertainment receiver or other music system. **Be sure the red** RCA Cable is inserted into the red jack and the white RCA Cable is inserted into the white jack.

3. Turn on the unit you connect to your GDI-T2USB recorder and adjust the unit’s Speaker Monitor Volume Knob on the back of the unit to control the volume of the music.

4. Press the **STOP/EJ** button to open the cassette door and insert a cassette tape. Gently close the cassette door.

5. **Press COUNTER RESET button to zero the** counter to count the tape’s revolutions.

6. Press the **REC** button to start recording.

**NOTE:** IF the tape is a Cr02 version, select the **REC Cr02** button first, then press **REC PLAY** button.

When you press the **REC** button the **PLAY** ( ) button will also be pressed automatically. At the end of the cassette tape, the cassette will stop automatically.
7. To adjust the recording level, adjust the REC LEVEL knob. Ideal REC level is typically 0 dB. You can view the REC level through the level Indicator.


Press the fast forward or rewind button to advance and rewind the tape, respectively.

9. Pausing the playback.

You may pause your tape and pause your recording by pressing the PAUSE button. Pressing the PAUSE button again will resume playing the tape.

10. Stopping the tape playback.

Press STOP/EJ to completely stop the tape and recording.
**Recording to a PC** (from a tape)

**Audacity Software Introduction**

The provided Audacity CD disc should contain the following software:

1. Audacity-src-1.2.6-------- for Macintosh
2. Lame_enc.dll-------------- (to convert recorded music files to MP3 format)
3. AUTORUN
4. Audacity Set Up
5. Audacity. dmg------------- for Macintosh
6. LameLib-Carbon-3.91----- for Macintosh

The software is compatible with Window 98, 2000, ME, XP, VISTA and Macintosh.

**NOTE:** In the VISTA system, the default MONO 1 CH in the recording option should be changed to STEREO 2 CH manually. **Follow the steps below to adjust between MONO 1 CH and STEREO 2CH:**

Control Panel → Volume → REC Microphone (AK5371 → Attribute → Advanced → Open the advanced option and select 2 channels, 16 bit, 44100HZ (CD tone)

However, the WIN2000 or XP. should not require adjustment

**Audacity Software Installation (and USB Connection)**
Connect the USB cable to the **USB connection at the back of the unit (GDI-TAPE2USB)** and into the **USB connection on your computer**. Press the **STOP/EJ** button to open the cassette door and insert a **cassette tape compartment door**. Gently close the **cassette tape compartment door**.

**Press the** Power button to turn on the unit.

1. Please insert the Audacity software disk that comes with your unit. Go to My Computer and double click the CD ROM Drive.

   ![My Computer](image1)

2. Locate the Audacity Setup. If the Audacity set up doesn’t come up automatically, click on the Arrow V and double click on CD Rom. It will show all contents. Double click on Audacity.

   ![Audacity Setup](image2)
Audacity Software Installation

3. The Audacity Setup Wizard will appear. Click on **Next >** to begin the software install process.

4. Click on “I accept the agreement” and click on Next.
5. Continue to click on the **Next** buttons.
6. Click on the Install button to start installation.
7. Click on Finish to complete installation.
8. You can now open the Audacity software and start recording your files. NOTE: Once you set up Audacity, you should not need to re-set nor re-install the software with each use.
For additional information regarding Audacity features & applications, please visit the Audacity website at: http://audacity.sourceforge.net

Audacity Interface

Audacity Interface---Settings and controls.
Audacity Control Buttons

Use the control buttons at the top of the screen to do the following functions: skip to beginning and skip to end of your recording, play, record, pause, stop and end your recording session. Use the File, Edit, View, Project, Generate, Effect and Analyze menus to save, export and edit the music you recorded to your PC/Mac.

1. Click the (      ) button to skip to start;
2. Adjust the output volume.
3. Click the (      ) button to play;
4. Click the (      ) button to record;
5. Click the (      ) button to pause the recording;
6. Click the (      ) button to stop the recording;
7. Adjust the input volume.
8. Click the (      ) button to skip to end;
Audacity Preferences

Click the “Edit” on the Audacity interface, select “Preferences”.

- The screen will open up Audacity Preferences. You can see the Audio I/O, Quality, File Formats, Spectrograms, Directories, Interface, Keyboard and Mouse in the Audacity preference interface.
Select the recording device: AK5371

- Click the “Audio I/O” at the Audacity Preferences interface.
- Click the “Device” and select “Ak5371”.
- Click the “Channels” and select 2 (stereo).
- Click the “OK”.
- Note: If you couldn’t find the "AK5371" from the Device list, close the Audacity Software and re-open the software and try again.

*Adjust the REC level knob to adjust record level (dB) when recording. You can view the REC level through the level indicator.
NOTE: most recordings should be made as close to 0 dB level as possible.

*Rotate the VOLUME knob in the back of the unit to monitor the sound of the playing music

The Speaker Monitor VOLUME knob is located at the back of the unit

Preparing to Export and Save for MP3 Formats

Prepare for MP3 Export--- Additional software “lame_enc.dll” is required and must be installed

1. Please make sure that the Audacity disc is still inserted in your computer.
2. Click the “Edit” Tab on the Audacity interface, select “Preferences”.

3. Select the File Formats Tab and click on the Find Library Button.
4. A dialog box will appear. Click “Yes”.

5. Another box appears to locate the “CD ROM”. You will find the “lame_enc.dll” software. Click the software then click Open.
6. Click on the OK Button.

Once the lame_enc.dll (MP3) software setup is complete, you can proceed with the recording and
Exporting and Saving Files (to WAV, Ogg, or MP3 formats after your recording is completed)

- When the song(s) finished, click the ( ■ ) on the screen. Then press the “STOP” button on the unit to stop and end the recording.
- You should now have a music download on your computer. BUT, the music download should be converted to a WAV, Ogg, or MP3 format before exporting.
- Before exporting you should be able to play back the recording through your computer.
- Simply click the ( ) to play the recording.
- NOTE: You may visit the Audacity website at http://audacity.sourceforge.net

For detailed information regarding Audacity features & applications, please visit the Audacity website at: http://audacity.sourceforge.net

1. Click the file tab on the audacity interface. Select “Export as WAV” or “Export as Ogg”.

Export As WAV

![Audacity Export As WAV](image)

Export As Ogg

![Audacity Export As Ogg](image)
Follow the same steps as above for “Export as MP3”.

2. Once you have chosen to which file format your recording should be exported, the interface below appears. Here you may enter the file name and the location where you want to save and the file for use and reference. i.e. Select for instance your “desktop” and then click “Save”.

Save as WAV

Save as Ogg
Follow the same steps as above for “Save as MP3”.

After you have finished downloading, you may play back the songs through your computer. In Stop Mode, simply click the _ button.

NOTE: If do not have the fluctuant wave on the interface when recording, adjust the recording volume as follows:

- Click the “Start” in the left corner of the computer, Select “Programs”, “Accessories”, “Entertainment”, “Sound Recorder” to enter Sound Recorder interface.
* Select Edit and click “Audio Properties” in the bottom of the menu to enter Audio Properties interface:
Audio Properties Interface

- Select sound recording default device and click Ak5371, then click the Volume to enter Wave In interface.

Wave In Interface

- Adjust the recording volume from the middle or higher. The fluctuant wave will show on the interface when recording.

Troubleshooting Guide
In case of trouble with the unit, please look through this chart and see if you can solve the problem by yourself before calling your dealer.

<table>
<thead>
<tr>
<th>THE WHOLE UNIT</th>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power does not come on when the power switch is pressed.</td>
<td>Unit is unplugged.</td>
<td>Connect the unit to the AC adapter power supply.</td>
<td></td>
</tr>
<tr>
<td>The sound is noisy.</td>
<td>The unit is too close to a TV set or another similar appliance.</td>
<td>Turn off the TV or other appliance, and relocate the unit.</td>
<td></td>
</tr>
<tr>
<td>Can’t record using the Audacity software.</td>
<td>The unit is not connecting with computer by USB cord.</td>
<td>Connect the USB cable to the unit and into your computer.</td>
<td></td>
</tr>
</tbody>
</table>

Specifications

**GENERAL**
Power Requirements .......................AC Input 120V~60Hz
DC Output 9V
Power Consumption .........................5 W
Dimensions (L x D x H) ........................ 25”x15”x8”cm (approx)
Weight ........................................ 1.5 kgs
Standard Accessories ...................... **User Guide**
CD Disc
USB Cable
RCA Cable

Grace Digital Inc.,
www.gracedigitalaudio.com
San Diego, CA