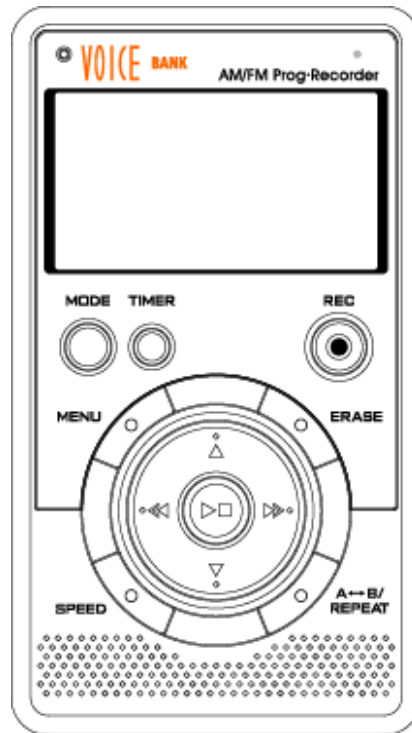


DIGITAL VOICE RECORDER & AUDIO PLAYER
& AM/FM RADIO

MODEL : Voice Bank

User's Guide manual



Thank you for purchasing PORTABLE DIGITAL AUDIO PLAYER from DIASONIC.
Please carefully Read the Instruction manual for safe use of the product. We
recommend you to keep this instruction manual for future reference.

INFORMATION TO THE USER

※ WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority operate the equipment.

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

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Safety Precautions

- Do not drop **Voice Bank**, it may cause a malfunction.
- Do not leave **Voice Bank** in the following areas:
 - Place of high temperature (above 60°C)
 - Exposed to direct sunlight or near heating appliances.
 - Inside a car; especially in the summer
 - High humidity area like a bathroom
- Avoid any impact to the LCD Display
- Do not place credit cards, phone cards, bank books or subway tickets near **Voice Bank**. The magnetism of the player may damage the data stored in the magnetic strip.
- We are not responsible for any damage or claims from a third party resulting from the use of **Voice Bank**.
- We are not responsible for any loss of files caused by any reason.
- Do not repair, disassemble or make modifications to **Voice Bank**.
- Do not use Voice Bank in any area designated No Electronic Devices like airports or medical facilities.
- Do not operate while driving.
- If **Voice Bank** is misused by the user, subjected to static electricity or electrical shock even if just changing the battery, the files stored in the memory may be lost or corrupted.
Backup all important data!
- Only insert a memory card when the unit is off or a malfunction may occur

Functions and Features

Voice Bank is manufactured under strict quality control procedures to ensure the best performance and customer experience.

- **Elegant Design and Exterior Finishing**

Voice Bank is designed with the customer in mind. Using a wide LCD Screen and half miller window to eliminate the closeness of a small display and show off a high class image to enhance the user's experience.

- **AM/FM/Voice Recording and MP3 PLAYER**

Voice Bank can record AM/FM/Voice and play MP3 files.

- **External memory**

Voice Bank has the ability to expand the memory capacity using SD or MMC memory cards.

- **Record AM/FM RADIO**

With **Voice Bank** you can record live or future AM/FM broadcasts.

- **RYW-EXPLORER**

With **Voice Bank** you can transmit data between the device and your PC and even send those files to a friend using E-mail.

- **Recording Timer**

Voice Bank can be programmed to record voice or radio at a later time with its built in timer.

- **USB Interface**

- Displays file/frequency/current time on the wide LCD Screen

- Built-in calendar up to the year 2099

- Elegant Design and Exterior Finishing

- Built-in microphone

- Separate and record files up to a high tone quality of 99

- Lock (HOLD) function to prevent unnecessary battery consumption caused by an accidental key press.

- TIMER recording function to allow voice or radio recording at a later time/date.

- REPEAT PLAY allows a message to be played repeatedly

- Resume Playback Function

- Section Repeat Play (A↔B REPEAT PLAY)

- Automatic power OFF after **manual setting** of no use.(SLEEP MODE)

- MONITOR Function allows the user to listen to what is being recorded using an earphone (MONITOR)

- **H/D Function may be used as a portable hard disk (32MB)**

- Volume adjustable 30 levels

- EQ equalizer modes (NORMAL,ROCK,JAZZ,CLASSIC,POP)

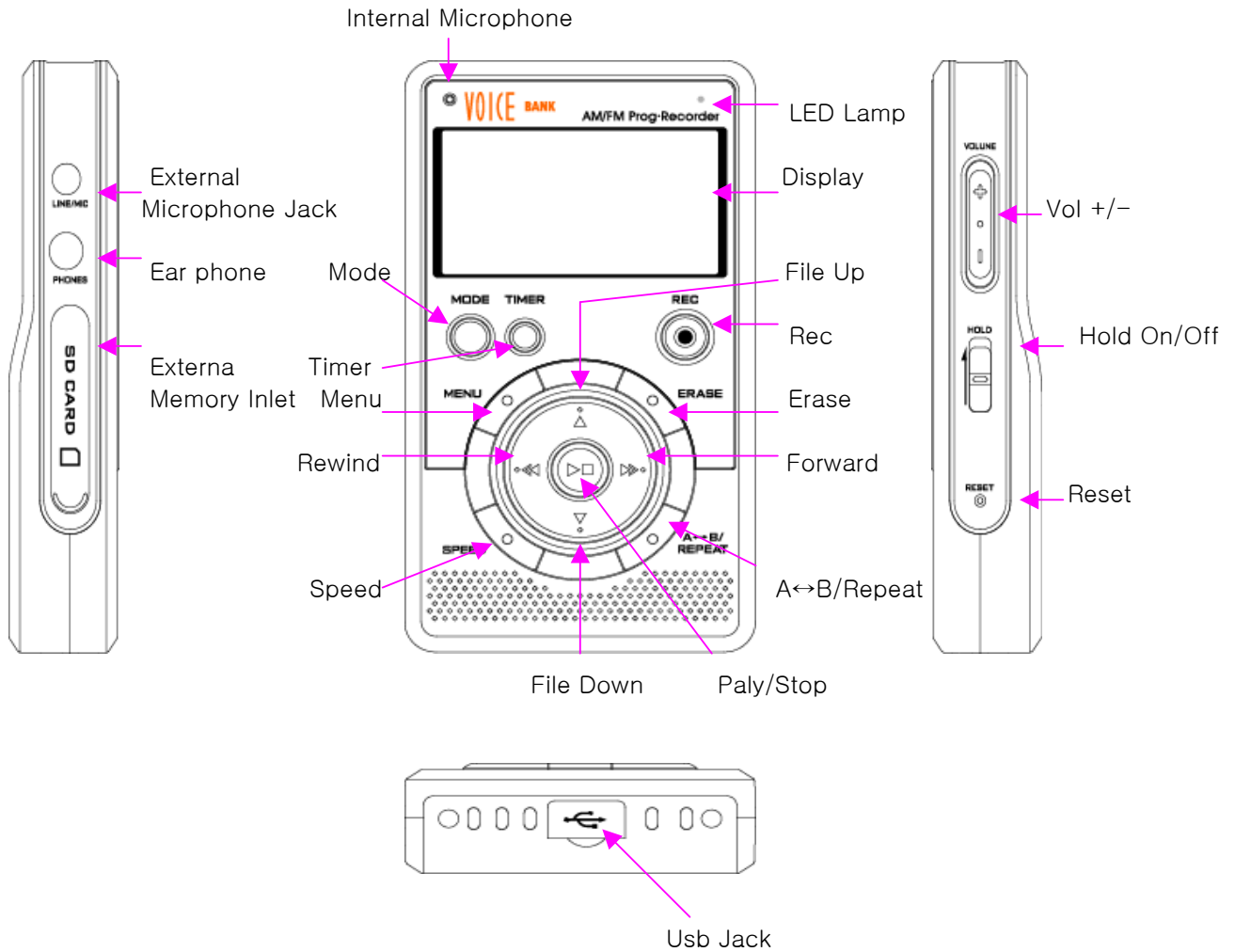
- Repeat (NORMAL/SECTION REPEAT/1 TRACK/ALL TRACK)

- Download and playback of MP3 Files

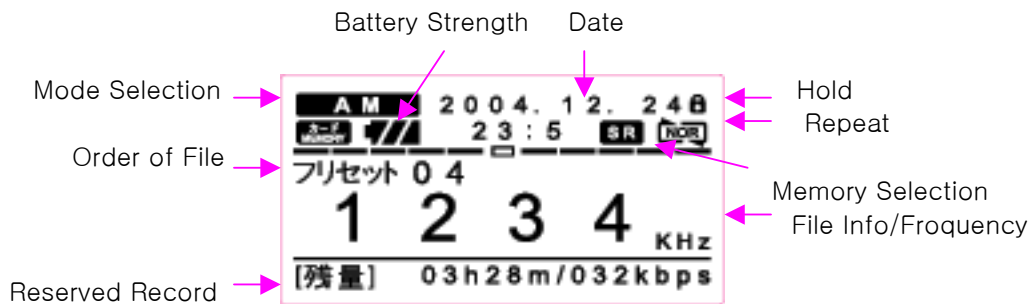
- Real time or reserved FM RADIO RECORDING function
- Real time or reserved AM RADIO RECORDING function
- AM/FM PRESET CH function
- AM Region setting EUROPE (9) or USA (10)
- Setting up to 10 reserved recordings is possible
- S-FORWARD and S-REWIND Searching function (10 times/100 times searching)
- External memory slot (SD-CARD/MMC)
- Built-in high-power speaker
- Easy recording from external audio devices
- Recover time and settings after replacing the battery (BACK-UP Function)

Parts and Components

1) MAIN SET

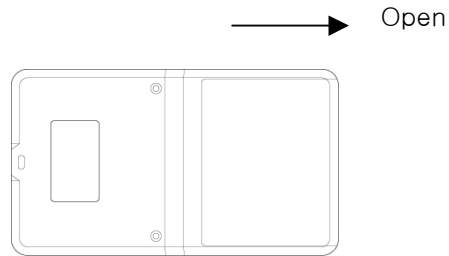


2) LCD



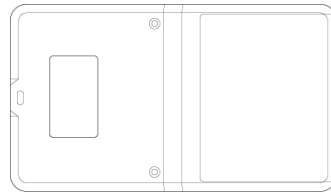
3) Battery Use and Description of Components

- ① Open the Battery Cover.

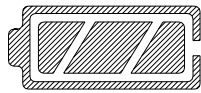


- ② Close the cover after inserting **Rechargeable Li-Polymer Battery(3.7V/1000mAH)** to the correct (+) (-) polarities.

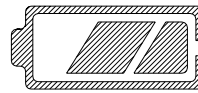
Battery : **Rechargeable Li-Polymer Battery(3.7V/1000mAH)**



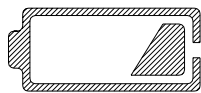
- ③ Check the battery strength by pressing the PLAY/STOP or record mode button.



Battery strength is strong.



Battery is partially run down.



Battery is almost run down.



Replace the battery.

※ Caution

Check the polarities of the batteries if the LCD Display doesn't turn ON after inserting new batteries.

※ Note

If you do not use **Voice Bank** for a long time, the batteries may be run down naturally.

Take out the batteries if you do not plan on using **Voice Bank** for a long time.

④ Battery Life

Battery Type	Recording	Playback via Speaker (Volume: Middle)	Playback via Ear phone
Alkaline "AAA" LR-03	Approx 10hr	Approx 8hr	Approx 15hr

⑤ Caution when Using the Battery

- Do not use **other battery**.
- If you do not use this recorder & player for a long time, take the batteries out of the body.
- When using rechargeable batteries, carefully read the manual of the battery and charger before using them.

⑥ Components

STEREO EARPHONE, INSTALL CD, LINE/IN CABLE, USB CABLE, **CRADLE**.

5) Basic Functions

● Turning the Power ON/OFF

To turn the player on, hold the PLAY button for 1–3 seconds.

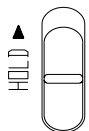
If no key is pressed for more than 3 minutes, the power is automatically shut OFF.

To turn the player off, hold the STOP button for 1–3 seconds.

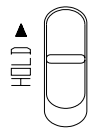
If you put in the provided batteries after purchasing **Voice Bank**, the Power should turn ON and the initial display screen appears. When the power is OFF, you may turn the power ON by pressing the PLAY Button.

● How to Use the HOLD function

When the lock button is in the upper position, the player is in HOLD and will not operate. Use this recorder & player only after checking the lock switch is released from the HOLD position.



HOLD OFF
Released



HOLD ON
Player not operable

VOICE/AM/FM/MP3 Buttons

● VOICE MODE (VOICE)

Upon operating the keys, — means a short press and --- means pressing and holding (longer than 1 sec).

Buttons	Key Operations	Stopped	Upon Recording	Playing
▶■	— ---	Plays the beginning of file /Stop status Power off	X	X /Stops recording Power off
▼	—	Moves to the next file	X	Beings to play the next file
▲	— ---	Moves to the previous file	X	Plays the previous file If key held down more than 5 second
▶▶	—	S-Forward current file very fast	X	S-Forward current file
◀◀	—	S-Forward current file very fast	X	S-Forward current file
MODE	—	VOICE/AM/FM/MP3	X	VOICE/AM/FM/MP3
TIMER	— ---	Checks the time and sets the timer for a future recording Modifies the time setting	X	X
A↔B	—	Selects from the external/ internal memories	X	Repeats the playing section between A↔B
REPEAT	—	Change the repeat setting	X	Change the repeat setting
ERASE	— ---	Deletes the current file (push erase to confirm when blinking) Deletes all files (push erase to confirm when blinking)	X	X
REMAIN	—	Showa remaining record time in voice mode	Showa remaining record time in voice mode	X
VOL+		Volume+	Volume+	Volume+
VOL-		Volume-	Volume-	Volume-
HOLD		ON/OFF	ON/OFF	ON/OFF

● AM/FM Radio Domain (RADIO/KEY Operation)

Buttons	Key Operations	Receiving	Upon Recording
▶ ■	— ---	PRESET the station /Stop Power off	X/ Stops recording Power OFF
▼	—	Changes to the next preset	X
▲	—	Changes to the previous preset	X
»	—, ---	SEEK TUNNING AUTO TUNNING	X
«	— ---	SEEK TUNNING/AUTO TUNNING	X
MODE	—	VOICE/AM/FM/MP3	X
TIMER	— ---	Checks TIME and reserved settings Sets and modifies TIME	X
VOL+		VOLUME+	VOLUME+
VOL-		VOLUME-	VOLUME-
HOLD		ON/OFF	ON/OFF

Note) The earphone plays the role of the antenna in the FM Radio.
If the earphone wire is longer, receiving sensitivity is improved.

● MP3 FILE Domain (MP3)

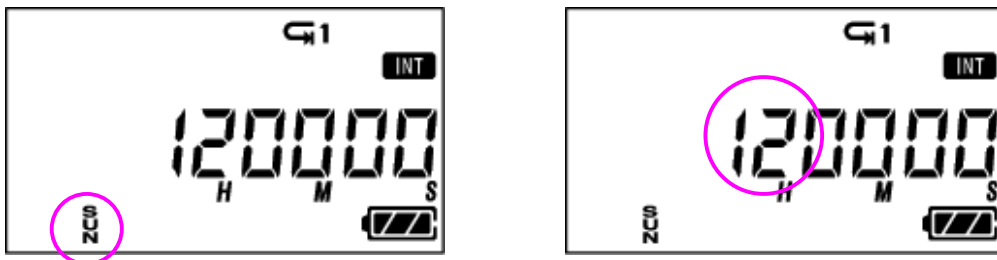
Buttons	Key Operations	Upon Stopping	Upon Playing
▶ ■	— ---	Play the current file/Stop Power OFF	Pauses the file/ Stops playing file Power OFF
▼	—	Move to the next file	Begins to play the next file
▲	— ---	Moves to the previous file	Plays the previous file If key held down more than 5 seconds, goes to the beginning of the file
»	—	S-FORWARD current file very fast	S-FORWARD current file
«	—	S-REWIND current file very fast	S-REWIND current file
MODE	—	VOICE/AM/FM/MP3	VOICE/AM/FM/MP3
TIMER	— ---	Checks TIME Modifies TIME Setting	X

A-B	—	Selects from the external/internal memory	Repeats playing section between A-B
REPEAT	—	Changes repeat setting	Changes repeat setting
ERASE	— ---	Deletes the current file Deletes all files	X
EQ	—	ROCK/CLASSIC/NORMAL /POP/LIVE	ROCK/CLASSIC/NORMAL/POP/LIVE
VOL+		VOLUME+	VOLUME+
VOL-		VOLUME-	VOLUME-
HOLD		ON/OFF	ON/OFF

Timer and recording

You need to set the current date and time prior to initiating a recording.

- ① Press and hold the TIMER Button while the player is stopped.
- ② When you hold the TIMER Button, the day will be flickering and then if you press ► or ◀ you can change the day. Push the PLAY Button to set and now the window displaying the time will also be flickering. If you press ► or ◀ you can change the hour, press PLAY again to set and do the same thing to change the minute and press PLAY again to set.



- ③ When the time setting is completed, you may return to the initial screen by pressing the STOP button.
- ④ To check the time, press the TIMER button, the current time (hour/minute/second) will display, and if you want to change the time, you may change the day/hour/minute by pressing and holding the TIMER Button.

● How to Record

When you are in VOICE/AM/FM Mode, you may record using the RECORD Button.

- ① Select the mode by pressing the MODE Button.
(When you are in the AM/FM Mode, the frequency currently received is recorded).
- ② Press and hold the RECORD (REC/STOP) Button for about 1 second with the internal microphone toward the sound source.
The recording is initiated and a red light indicating recording turns ON.
- ③ To stop recording, press the STOP button.

※ Once recording is initiated, you may not stop recording for the first Five (5) seconds.

※ The recording is automatically recorded in the next available slot.

※ When recording for a long time, replace the battery with a new one.

※ Check the capacity of the battery prior to recording.

※ Note

Perform a test recording to avoid any errors while recording.

If the battery is completely run down during a recording, the message “low battery (BAT)” will display on the screen and the power will be automatically shut OFF.

Replace the battery with new one.

● Monitoring a Recording

You may listen to what is being recorded by connecting an earphone.

※ Note

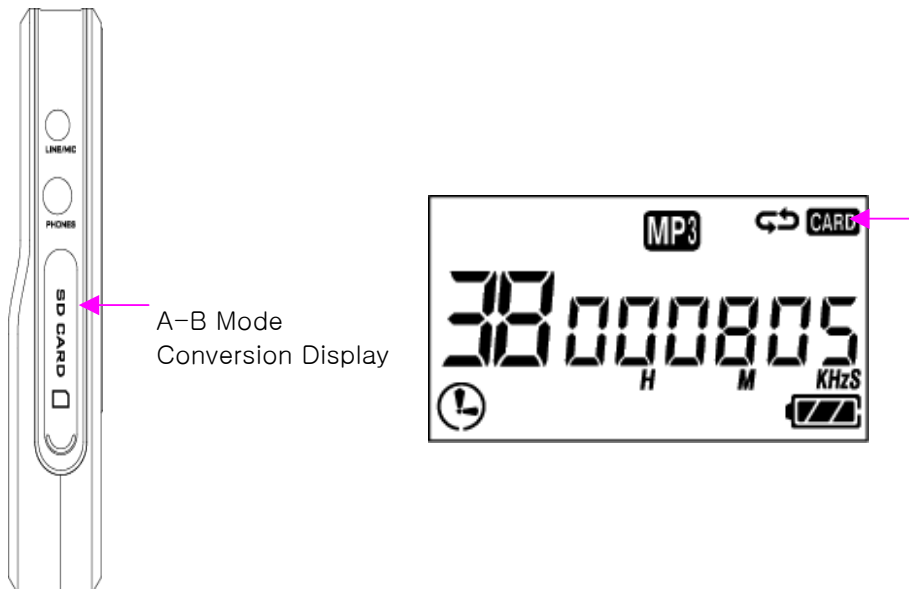
- Do not take the battery out during a recording because it may cause the recording to be lost or a malfunction
Take out the battery only when the player is stopped.
- If the corresponding file exceeds the recording capacity or there is not enough room for a recording, the recording will not be available.
When the memory is FULL, a message "FULL" will display.
- Recording to MP3 or H/D domains is not available (Only playback is available in MP3).

● Bit rate Setting

To change the recording bit rate from 16kbps to 32kbps, switch the unit to voice mode (using the mode button) and hold down the REMAIN/EQ button until you see the desired bit rate on the LCD screen.

*When you see the desired bit rate, let go of the REMAIN/EQ button.

External Memory



- ① If you press the A-B Button in the stop status after inserting an external memory card, the display screen of INT/CARD will be converted and the internal and external memory domains will be separated.
- ② You may record, play, save from the PC and transfer files with the external memory.
- ③ Inserting and taking out an external memory card must be performed only when the player is stopped.

- Note

- Only insert a memory card when the unit is off or a malfunction may occur. The external memory is compatible with an SD/MMC-CARD only.
- If you take out the battery or external memory during a recording or playback, it may cause a lost file or malfunction. Take out the battery only when the player is stopped and take out or insert the external memory only after turning-off the power.
- If the corresponding file exceeds the recording capacity or there is not enough room for the recording, the recording will not be available. When the memory is FULL, a message "FULL" will display.
- Recording to MP3 or H/D domains is not available (Only playback is available in MP3).

SD/MMC Card Recording

1. Push the A-B button on **Voice Bank** to switch to the SD/MMC card and next press the TIMER Button twice and the reserved recording screen appears. The minute needle clock indicator and setting channel should be flickering. Press FW or RW to select the file number and then push PLAY. Now the days of the week will flicker. Use FW or RW to select the desired day and press PLAY.
2. After selecting the day, set the hour by using FW or RW and pushing PLAY (same as before) to select the desired hour (do the same for minutes). After the minutes are set, the start time will flicker but you will be setting the ending time now. Set the hour by using FW or RW and pushing PLAY (same as before) to select the desired hour (do the same for minutes). When you finish, you will see the main screen and your unit is ready to record on the selected day(s) & time(s). You may set up to 10 reserved recordings for all the sections in AM/FM/VOICE.

Note: Maximum size card that can be used in RYW is: 128MB MMC and 256MB SD. Bigger cards are not supported and may damage the card and/or unit.

Playback mode



● Playing a VOICE file

- ① Select the message you want to listen to.
(Select the file you want 01–99 using ▲ ▼ Button.)
- ② You may play by pressing the PLAY (▶) Button.
- ③ Adjust the volume with the DIGITAL VOLUME button.
Listen to music in quiet areas using the micro speaker.
Use the earphones to avoid interference or in noisy areas.
- ④ To stop, press the STOP (■) Button.
- ⑤ For the S-FORWARD and S-REWIND function,
press the ◀▶ button.
You may stop this function by pressing the PLAY(▶)/STOP(■) Button.

- ⑥ You may select and play the next or previous file during playback using the ▲ ▼ Button.

※ If the battery is completely run down while playing, a message “BAT” will flicker and automatically disappear after the warning. Replace the battery with a new one.

● Playing MP3 files

- ① Using the MODE Button, select the MP3 Domain.
- ② If there is no music downloaded, the message “NO.IF” displays on the LCD.
- ③ If you download a music file (MP3) via the USB, the file will be saved in the MP3 Domain and you may play it using the PLAY Button.

● S-FORWARD and S-REWIND

Selectively play the next file or previous file during playback using ▲ ▼ Button.
If you press the ◀▶ Button during the playback of a file, S-REWIND/S-FORWARD is initiated at a speed of about 10 seconds per second.

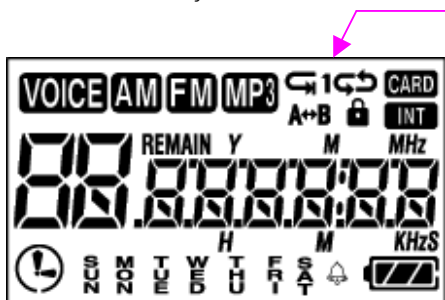
※ Used to fast-forward or rewind a specific section.

If you press the ◀▶ Button when the player is stopped, (showing the file number) S-REWIND/S-FORWARD is initiated at a faster speed of about 1 minute per second.
Pressing ◀ will S-REWIND from the end of the file (Exp a 1 hour file will rewind from 1:00:00 – 59:00:00 etc). Pressing ▶ will S-FORWARD from the beginning of the file.
(Exp a 1 hour file will fast-forward from 0:00:00 0:01:00 etc)

※ Press PLAY to STOP and play the desired section.

- Resume Function

While listening to a file, press and hold the STOP (■) Button (this will turn the unit off) when you power on the unit again (pressing PLAY ▶), the file will continue (resume) to play from the section you left off.



- Repeat playing in the VOICE Domain
- Repeat playing in the MP3 Domain

You may set the repeat functions by pressing the REPEAT Button during playback.

- NOR: Plays and stops all music
- NOR (1): Plays and stops only one music file
- (1) ALL: Repeats playing music
- ALL: Keeps playing all music in order

- Repeat a Section A↔B

If you want to repeat playing a specific section, press the A-B button to select the beginning of that section and then press A-B again to select the end of that section. The selected section will continue repeating until you push A-B or PLAY.

- ※ This only works with one file at a time.
- ※ Section repeat is done the same way for ALL files

- Equalizer Functions

When playing MP3 files, you may play according to genre using the equalizer functions NORMAL, ROCK, LIVE, CLASSIC and POP.

You may set the equalizer functions when the player is stopped using the EQ Button.

At this time, the message "NOR, JAZZ, CLASSIC, POP, ROCK, LIVE" displays on the LCD.

Erasing files

※ Deleting is only available when the player is stopped.

● Deleting a Message One by One

- ① Select the file to delete using the ▲▼ Button.
- ② If you press ERASE, “ERASE” will be flickering on the LCD and the message to be deleted is displayed for confirmation. While the message “ERASE” is flickering, press the ERASE Button again to delete the message. If the message is deleted, the number displayed on the LCD will be forwarded to the next file.

※ While the message “ERASE” is flickering, if you press any button, the erase function is cancelled.

※ Note: Once a message is deleted, it is not recoverable.

● Deleting all Files

- ① Select the files to delete using the MODE Button.
- ② If you press and hold the ERASE Button for longer than 5 seconds, the “AL.ERASE” will be flickering. If you press the ERASE Button again at this time, all files will be deleted.
- ③ You may delete the information in the MP3 Domain the same way.
Deleting HD files is only available using the PC-APPLICATION after connecting your PC with the USB connection.

※ Note : If you use up (full) the memory by using the hard disk function, No recording capabilities will be available. Do not turn off the power or take out an external memory card while deleting files. It may cause a malfunction.

● Deleting a Reserved Recording

1. Press the TIMER Button once, the time displays and if you press the TIMER Button twice, the reserved recording screen appears. (AM/FM/VOICE mode only)
2. Select the file to delete using the ▲▼ Button and press erase two times

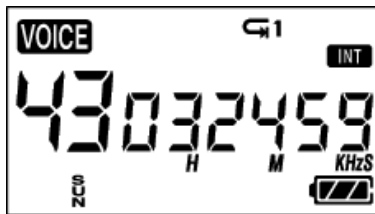
Reserved Recording

※ To set a reserved (future) recording, the TIME Setting must be set.

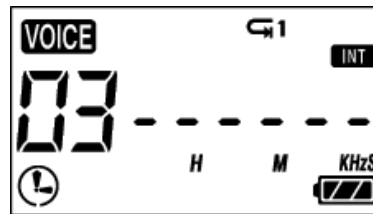
If you press the TIMER Button, the time (Hour/Minute/Day) displays.

If the time setting is done, the correct Day/Hour/Minute/Second will appear on the display screen. To change it:

- ① Press and hold the TIMER Button while the player is stopped.
- ② When you hold the TIMER Button, the day will be flickering and If you press **▶▶** or **◀◀** you can change it. Push the PLAY Button to set and the window displaying the time will also be flickering. If you press **▶▶** or **◀◀** you can change the hour, press PLAY to set and do the same to change the minute and press PLAY to set.



Example of Displaying the Time



Example of Displaying the Reserved Recording

※ Make sure you are in the desired mode to set a reserved (future) recording and/or tuned to the desired AM/FM station prior to setting a reserved (future) recording.

- ③ After the time setting is done, if you press the TIMER Button once, the time displays and if you press the TIMER Button twice, the reserved recording screen appears. (AM/FM/VOICE mode only)

The minute needle clock indicator and setting channel should be flickering.

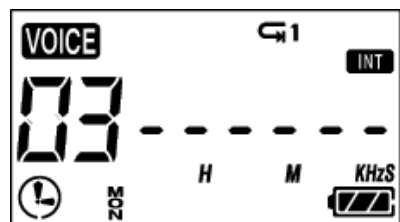
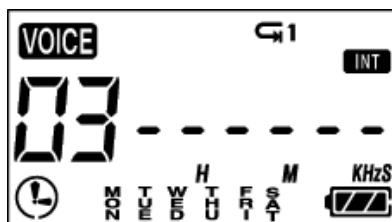
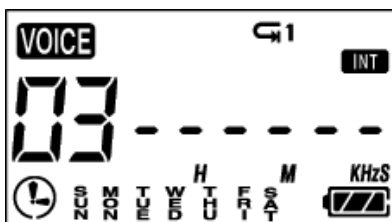
Press **▲▼** to select the file number and then push PLAY.

Now the days of the week will flicker. Use **◀▶** to select the desired day and press PLAY.

- ④ After selecting the day set the hour by using **◀▶** and pushing PLAY (same as before) to select the desired hour (do the same for minutes). After the minutes are set, the start time will flicker but you will be setting the ending time now. Set the hour by using **◀▶** and pushing PLAY (same as before) to select the desired hour (do the same for minutes). When you finish, you will see the main screen and your unit is ready to record on the selected day(s) & time(s). (It will seem like you are changing the start time when setting the ending time but trust us you are setting the ending time)

A start and ending time setting requires 4 PLAY presses.

(Exp- 1 start hour + 1 start minute + 1 ending hour + 1 ending minute = 4)



- ⑤ 1) The reserved recording is initiated at every Nth time of every day
- 2) The reserved recording is initiated at every Nth time on Monday – Saturday
- 3) The reserved recording is initiated on a certain day of every week
You select using ◀▶ and confirming is done using ▶ .
- ⑥ After setting the day, set the hour and minute



7 And then, set the hour and minute ending time.
Once END Setting is done, the TIMER icon displays and the recording is automatically initiated at the designated time.

* You may set up to 10 reserved recordings for all the sections in AM/FM/VOICE. It is set the same way described on the last page. A reserved recording is automatically initiated even when the power is OFF. (Timer function)

● Deleting a Reserved Recording

1. Press the TIMER Button once, the time displays and if you press the TIMER Button twice, the reserved recording screen appears. (AM/FM/VOICE mode only)
2. Select the file to delete using the ▲▼ Button and press erase two times

● Modifying a Reserved Recording

To modify a reserved recording,

1. Follow the procedure to set a new reserved recording
2. When the file number blinks, use the REWIND key to select the number of the reserved recording you wish to modify. 3. Go through the normal process of setting up the reserved recording.

Note: You can only edit day and time settings. If you made a mistake setting the correct recording station, you must erase the reserved recording.

Connecting External Device

- Connecting an External Microphone

- Plug a pre-amplified microphone in the line in terminal of the body.

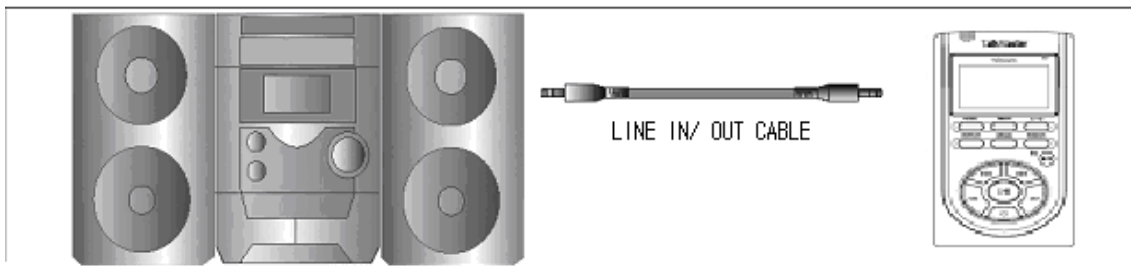
- ※ When an external microphone is connected to the line in, the built-in microphone is not operational.

- Connecting to External Devices

- You may record from almost any device using the line in and audio cable.

- Connecting to a stereo

- When recording from the line in of the voice recorder, connect the audio cable to the line in of the recorder and to the headphone jack of the output device.



How to Connect to a stereo

- ※ Note

- ★ When connecting to an external device, make the connections with the power OFF.

- ★ Before connecting to any external device, carefully read the manual of the external device

- When recording from an external device, record after connecting the audio cable to this device and decreasing the volume of the external device.

- To record in the external device, play this device and initiate the recording in the external device at the same time. (Refer to your devices user manual) (This timing may be different depending on each device, so make a test recording prior to performing an actual recording).

AM/FM Radio

When listening to the FM Radio, use earphones. They act as the antenna. You can also plug an antenna in the headphone jack of the player and use the speaker.

* It is very convenient for you to listen to a broadcast using the AUTO SEEK Function.

After selecting the radio mode, if you press and hold **▶▶ ◀◀** for about 1 second, it will stop at an audible broadcast channel. This saves time in unfamiliar areas.

After finding a station, AUTO SEEK will stop.

When using AUTO SEEK to find a station, a precise TUNING may not be available, please perform a fine adjustment using the REW or FF KEY.

● How to Save a Channel

- ① Convert to AM/FM mode by pressing the MODE Button.
- ② The frequency will display on the LCD. Select the frequency using **◀▶▶**.
- ③ Press the PLAY Button, a file number (01-10) will be flickering on the display screen. Select a channel (01-10) using the **▲▼** Button and PRESS PLAY to select that channel. The selected channel will be saved. (01-10)
- ④ You may save up to ten channels the same way.

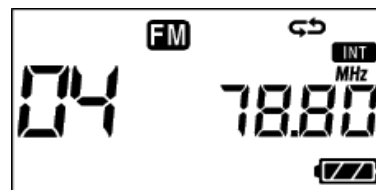
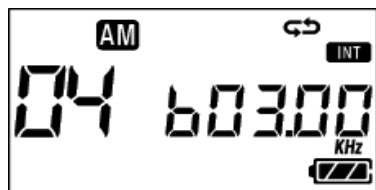
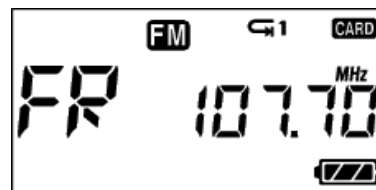
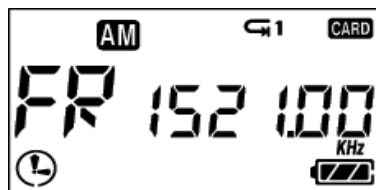
* Confirming the saved channel

If you press the **▲▼** Button, the saved channel and frequency is displayed. You may select a channel using the **▲▼** Key. In this mode, if you press the **▲▼** Button, you will go back to the frequency (FR) selection mode.

● How to Record a Radio Broadcast

- ① Select the broadcast channel you want to record (same as Radio Channel Setting)
- ② Record by pressing the RECORD Button. The recording will be saved in the voice folder and in the empty portion just after the last recorded message.

You may check the file in the voice folder after you have finished the recording.



● AM/FM Reserved Recording

* Make sure you are in tuned to the desired AM/FM station prior to setting a reserved (future) recording.

1. Press the TIMER Button twice and the reserved recording screen appears.
The minute needle clock indicator and setting channel should be flickering.
Press ▲ ▼ to select the file number and then push PLAY.
Now the days of the week will flicker. Use ◀ ▶ to select the desired day and press PLAY.
2. After selecting the day set the hour by using ◀ ▶ and pushing PLAY (same as before) to select the desired hour (do the same for minutes). After the minutes are set, the start time will flicker but you will be setting the ending time now. Set the hour by using ◀ ▶ and pushing PLAY (same as before) to select the desired hour (do the same for minutes). When you finish, you will see the main screen and your unit is ready to record on the selected day(s) & time(s).
(It will seem like you are changing the start time when setting the ending time but trust us you are setting the ending time)
A start and ending time setting requires 4 PLAY presses.
(Exp- 1 start hour + 1 start minute + 1 ending hour + 1 ending minute = 4)
You may set up to 10 reserved recordings for all the sections in AM/FM/VOICE.

● AM Region Setting

You can change **Voice Bank's** AM region setting from EUROPE (9) to USA (10) or USA (10) to EUROPE (9).

1. In VOICE or MP3 mode, press and hold the MODE button.
2. Press and hold the A-B button for about 3 seconds. (With the mode button still held down)
3. Let go of the A-B button and you should see **Voice Bank** display USA or EUROPE on the LCD.
4. Let go of the MODE button and use the A-B button to change between USA (10) & EUROPE (9).
5. Press PLAY to select the desired setting.

* If you take too long to confirm your selections, you have to start the procedure all over again.

AM/FM SD card Reserved Recording

1. Make sure you are in tuned to the desired AM/FM station prior to setting a reserved (future) recording. Push the A-B button on **Voice Bank** to switch to the SD/MMC card and next press the TIMER Button twice and the reserved recording screen appears. The minute needle clock indicator and setting channel should be flickering. Press FW or RW to select the file number and then push PLAY. Now the days of the week will flicker. Use FW or RW to select the desired day and press PLAY.
2. After selecting the day, set the hour by using FW or RW and pushing PLAY (same as before) to select the desired hour (do the same for minutes). After the minutes are set, the start time will flicker but you will be setting the ending time now. Set the hour by using FW or RW and pushing PLAY (same as before) to select the desired hour (do the same for minutes). When you finish, you will see the main screen and your unit is ready to record on the selected day(s) & time(s). You may set up to 10 reserved recordings for all the sections in AM/FM/VOICE.

General Specification

MODEL		Voice Bank
VOICE RECORD/ PLAY	RECORD TIME	256M byte : 1086Min / 2173Min
	MODE	ADPCM 32Kbps / 16Kbps
	FILE	VOICE : 99個 / MP3
	FM Record	Stereo (76MHz~108MHz)
	AM Record	522 ~ 1659KHz
	Timer Record	Dat / Daily/ Weekly
	Mic	Built-in Mic / Line (external Mic)
	Record Device	Built-in Flash Memory / EXT (MMC/ SD CARD 256)
	S/N	45db (62db input 1Khz, speaker output 50mW)
	Distortion	3%±0.2 (62db input 1Khz, speaker output 50mW : HQ mode)
	Freq, Response	400Hz~3.2KHz (-6db)
	Output Power	Max 9mW (stereo earphone 16ohm)
Repeat play	One messages repeat / Continue messages repeat / A-B repeat	
FM RADIO (stereo)	S/N	45db at 1mv 98.1MHz
	Distortion	0.8%(max) at 1mv 98.1MHz Δf=22.5KHz
	Freq, Response	350Hz±30Hz,3KHz±0.25KHz (150Hz~2.5KHz,60dbuV)
	Sensitivity	5uV at S/N=26db
	Frequency Cover range	87.5 ~ 108MHz
	Preset Mode	10 Radio station
AM RADIO	S/N	35db
	Distortion	3%
	Freq, Response	150Hz - 1.5KHz at 0db
	Sensitivity	68dbuV at 1000KHz
	Frequency Cover range	522 ~ 1659KHz
	Preset Mode	10 Radio station
MP3	Bit/rate	32Kbps~320Kbps (MPEG 1/2 LAYER 3)
	S/N	85db up (1KHz input 0db)
	Distortion	0.3%±0.05 (1KHz input 0db)
	Freq, Response	20Hz~20Khz
	Earphone	Max 5Mw (16ohm)
	EQ	EQ : NOR, JAZZ , CLASSIC, POP, ROCK, LIVE

	Repeat play	NOR/ NOR1/ 1ALL/ ALL
PC interface	communication	USB 1.1
	System	CPU200MHz more than , RAM 64MB more than, 20MB of free space
	OS	windows98SE , windows2000 , windows ME , windows XP
	Sound card	Sound blaster 16 compatible
	Display	640X480 more than
IN/OUT JACK	Ext mic/line in	φ 3.5 plug-in power microphone(mini plug / stereo) IMP less than 3KΩ
	Earphone	φ 3.5 earphone(mini plug / stereo) IMP less than 16Ω
	USB	Mini jack (PC : B TYPE)
SPEAKER	Diameter	φ 16
VOLUME		Digital volume (30 step)
MEMORY		Nand flash Memory (32M/ 64M/ 128M/ 256M/ 512M/ 1G)
LED		Recording display LED (RED)
LCD (TN)	MODE	VOICE/AM/FM/MP3
	Messages	01~99(INDEX)
	EQ	NOR, JAZ, CLA, POP, ROC, LIV
	Repeat	NOR/ NOR1/ 1ALL/ ALL
	CLOCK	CLOCK, SUN, MON, TUE, WED, THU, FRI, SAT
ADAPTOR		DC5V / 500mA(CE, CUL, T, FCC)
KEY FUNCTION		MODE/ TIMER/ REC/ MENU/ ERASE/ VOL+, -/ HOLD/ REW/ PLAY, STOP/ FF/ FILE UP/ FILE DOWN
POWER requirement		5V, LR03 , Rechargeable Li-Polymer cell(3.7V/1000mA)
Battery life	MP3 PLAY	Approx. 15hour during the mp3 play (ear phone output: volume middle position)
	VOICE PLAY	Approx. 15hour during the voice play (ear phone output: volume middle position)
	RADIO RECIVE	Approx. 11hour during the radio play (ear phone output: volume middle position)
	RADIO/VOICE REC	Approx. 9hour during the radio play (ear phone output: volume middle position)
Accessory		Connecting cable for external equipment (1)/ install CD (1)/ stereo ear phone (angle type)(1)/ EXT ANT (1)/ USB cable (1)/ manual (1)
SIZE		

Warranty

- If any defect or error occurs, stop using the product and contact the shop you purchased or Pogo Products Inc. General Directory Number: (714) 671-1854
- Warranty (Warranty Regulation)

Pogo! Products guarantees a free repair or service for a period of one year from the original date of purchase only.

If any defect or error occurs during the warranty period, please contact us.

A dated order/receipt is REQUIRED for all warranty claims.

Ensure the above information is provided and if it not, consult with the shop you purchased to obtain it.

(Free Repair or Service)

- A. This product is manufactured under a strict quality control and inspection process.
 - B. If any defect or error occurs under normal operation, in accordance with the caution or notes in this manual during the warranty period, you are entitled to a free repair or exchange from our company.
 - C. The free repair/service does NOT include shipping charges.
3. Even during the warranty period, you will be charged for the following defect/damage or error:
 - 1) Without a dated purchase order/receipt.
 - 2) If the original date of purchase is passed the warranty period or the dated purchase order/receipt is modified in any way.
 - 3) For any defect or damage resulting from misuse, abnormal use, abnormal condition, improper storage and/or exposure to direct sunlight or moisture.
 - 4) For any defect or damage resulting from any unauthorized modification or repair.
 - 5) For any defect or damage resulting from disasters such as fire, air pollution, earthquake or war.
 - 6) For any defect or damage resulting from a leak of the battery.
 - 7) Consumable such as battery.
 4. The warranty is valid only for service in the USA.

(Caution Upon Shipping or Transporting)

Upon shipping or transporting the product, please be careful about the following:

1. Enclose the original dated purchase order/receipt with the product during the warranty period.
2. Avoid damage to the product during shipping/transportation using proper packing materials.

The customer shall bear the cost of shipping/transportation.
3. Use registered and/or insured mail to prevent a loss.

- If any defect occurs during the use of this product, contact the shop you purchased or Pogo Products Inc.
- Replacement, repairs (charge/free) or refunds must be in accordance with our policy and can be found at:
<http://www.pogoproducts.com/support.html>
- If you have any further questions about this product, please contact Pogo Products Inc.

PoGo! Products Inc.
590 W. Central Ave Suite E
Brea, CA 92821
Phone: 714-671-1854

The warranty may be used only in the USA. Please keep your dated purchase order/receipt safely as it is required for any warranty service.

--- Additional User information ---

Information to User

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 generates, uses and can radiate radio Frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to 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, the user is 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 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/TV technician for help.