

TASCAM

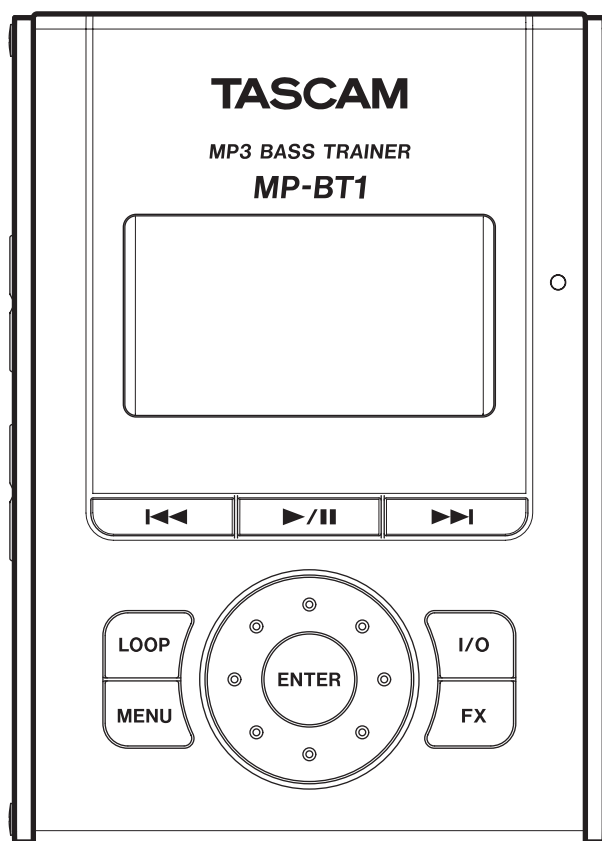
TEAC Professional Division

D00998701A

MP-BT1

MP3 Bass Trainer

OWNER'S MANUAL



Contents

1 – Introduction	3	6 – Practice Functions	18
Supplied accessories	3	Changing playback pitch and tempo	18
Manual conventions	3	Changing the tempo (TEMPO)	18
Precautions for placement and use	3	Change tempo without changing pitch (VSA)	18
Beware of condensation	3	Change key without changing tempo (KEY)	18
About the power supply	4	Controlling bass sounds with Bass Enhance Effect (BEE)	18
Recharging with a computer	4	Repeat playback of a selected loop	19
Recharging with a PS-P520 AC adapter	4	Connecting a guitar to practice	19
To turn the MP-BT1 power on	4	Practicing with tracks as they play	19
To turn the MP-BT1 power off	4	Using the metronome (METRONOME)	19
Recharging the battery	4	Turning the metronome ON and OFF	19
Turning the power on and off	4	7 – Using Effects	20
2–Part names and functions	5	8 – Using the Tuner	21
Top Panel	5	Chromatic tuner mode (AUTO)	21
Front Panel	6	Bass tuner mode (BASS)	21
Right Side Panel	6	Oscillator mode (OSC.)	21
Left Side Panel	7	9 – Setup Menu Options	22
Back Panel	7	Cue and review speed	22
Home screen	8	Automatic power off	22
3 – Connections & MP3 Transfer	10	Automatically turning off the backlight	22
Making connections	10	Display contrast	22
Connecting headphones or speakers	10	Backlight brightness	22
Connecting a bass	10	Initializing the unit	22
Connecting to a computer	11	Formatting the unit quickly	23
Disconnecting from a computer	11	Formatting the unit completely	23
Moving MP3 files to the the MP-BT1	11	10 – Using the Information Pages	24
Copying tracks from a computer	11	File information page (FILE)	24
Preparing MP3 files on a computer	11	Memory information page (MEMORY)	24
4 – Menus & Settings	12	System information page (SYSTEM)	24
Menu items	12	11 – Effect Lists	25
Menu overview	12	Effect preset list	25
Using the Menus	12	Effect module parameters	27
5 – Playing and Selecting Tracks	14	12 – Messages	28
Basic track playback functions	14	13 – Recycling the Battery	30
Playing a track	14	How to remove the rechargeable battery	30
Pausing a track	14	14 – Specifications	31
Selecting a track	14	Rated audio input and output	31
Searching a track	14	Audio performance	31
Adjusting the volume	14	Other specifications	31
Selecting a track to play	14	Minimum computer requirements	31
Using the Browse screen to select tracks	14	Stored settings	32
Setting the play area	15	Dimensions	32
Using the playlist	16		
Adding tracks to the playlist	16		
Editing the playlist	16		
ALL CLR: Remove all tracks from the playlist	16		
DELETE: Remove one track from the playlist	16		
MOVE: Change the order of tracks	17		
Repeat and single-track playback (PLAY MODE)	17		

1 – Introduction

Thank you very much for purchasing the TASCAM MP-BT1 MP3 Bass Trainer. Please read this Owner's Manual carefully before using the unit in order to maximize your use of all its features. We hope that you will enjoy using this trainer for many years to come.

The MP-BT1 is a flash memory (1 GB) music player that has been optimized for practicing bass. If you run into a phrase on a recording that is too difficult for you to learn by ear at ordinary speed, you can play and loop the music at a slower speed to study the part. Furthermore,

the dedicated bass input allows you to use the unit's built-in effects as you play along with the music. Using a computer, you can also transfer music as MP3s easily from audio CDs and other sources to the MP-BT1.

Supplied accessories

In addition to this manual, the following accessories are supplied.

- Quick Start Guide..... 1
- Mini-B USB cable 1
- Warranty card 1

Please contact the store where you purchased this unit if any of these accessories are missing or have been damaged during transportation.

NOTE

We recommend that you keep the original box and packing materials for transportation of this unit.

Manual conventions

In this manual, we use the following conventions:

- Controls and keys on the MP-BT1 are written like this: **MENU**.
- Messages shown on the display are written like this:
Are you sure? .

- If a fixed onscreen indicator (i.e. one which cannot change) is shown, it is written like this: **VSA**.
- We use the term “key” to describe the push-button controls on the MP-BT1.

Precautions for placement and use

The MP-BT1 may be used in most areas, but to maintain top performance, and prolong operating life, observe the following notes, precautions and environmental conditions:

- Avoid exposing it to extremes of temperature and humidity and avoid mechanical shocks and vibration.
- Keep the unit away from strong magnetic fields (TV sets, computer monitors, large electric motors, etc.).
- The nominal temperature should be between 0°C and 40°C (32°F and 104°F).
- Relative humidity should be 30 to 80 percent.

- As the unit may become hot during operation, always leave sufficient space above the unit for ventilation. Do not install this unit in a confined space such as a bookcase, and do not put anything on top of the unit.
- Avoid installing this unit on top of any heat-generating electrical device such as a power amplifier.
- Make sure that the unit is mounted in a level position for correct operation.
- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.

Beware of condensation

If the unit is moved from a cold to a warm place, or used after a sudden temperature change, there is a danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation impossible. To prevent this, or if this occurs, let the player sit for one or two hours at the new room temperature before using.

1 – Introduction

About the power supply

The MP-BT1 uses a built-in lithium ion battery that can be recharged by connecting the unit to a computer with the included USB cable. You can also use an AC adapter (sold separately) to power the unit and recharge the battery.

When new, the battery charge lasts about 8 hours.

NOTE

When you purchase the MP-BT1, the battery is not fully charged. Please charge it before use or use it with an AC adapter (sold separately).

Recharging the battery

Recharging with a computer

To charge the battery using a computer, connect the unit to the computer using the included USB cable and turn the computer on if it is off and not transmitting power to the unit.

Connect the MP-BT1 directly to the computer. Recharging cannot be guaranteed if a USB hub is used between the computer and the MP-BT1.

Recharging takes about 6 hours (when the MP-BT1 power is OFF).

If the MP-BT1's power is turned ON when it is being recharged from a computer, it is automatically treated by the computer as a connected USB drive. (See "Connecting to a computer" on page 11.)

Recharging with a PS-P520 AC adapter (sold separately)

Connect the AC adapter to the MP-BT1's DC IN 5V jack and plug the adapter into a working power outlet.

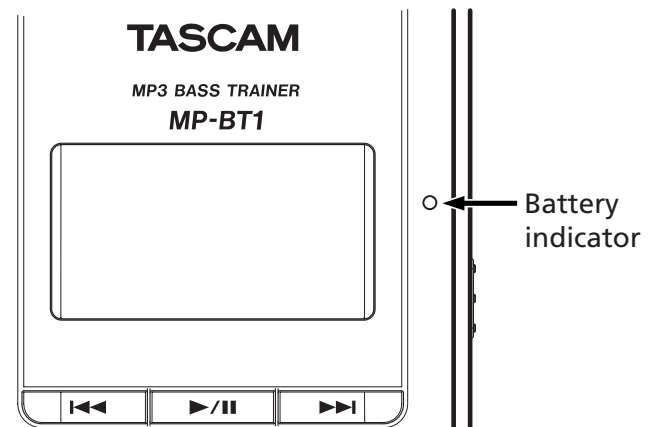
Recharging takes about 3 hours.

You can use the MP-BT1 when it is connected to an AC adapter and recharging.

Furthermore, the recharging time is the same whether the MP-BT1 power is ON or OFF.

NOTE

The indicator at the right side of the display shows the battery's charging status. It lights orange while charging and goes out when charging is complete.



Turning the power on and off

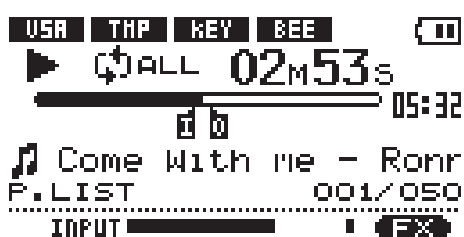
To turn the MP-BT1 power on

Slide the **POWER** switch in the direction of the arrow and hold it until TASCAM appears on the screen. Release the switch.

The MP-BT1 starts and the home screen appears.

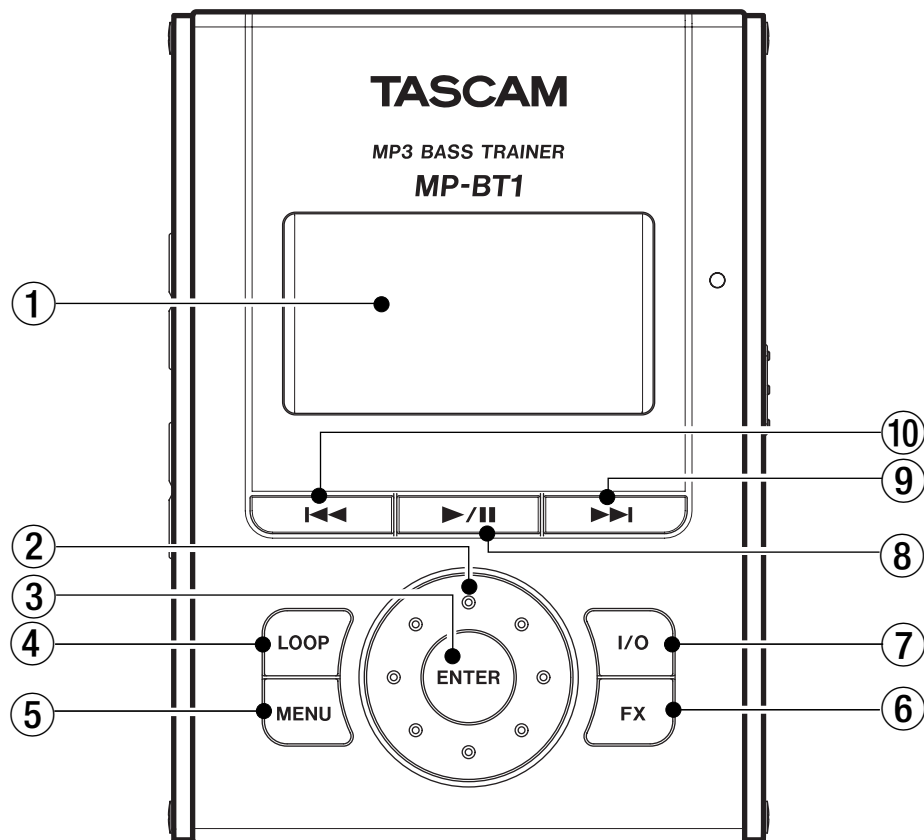
To turn the MP-BT1 power off

Slide the **POWER** switch in the direction of the arrow and hold it until Trainer series appears on the screen. Release the switch. The MP-BT1 then shuts down.



2 – Part names and functions

Top Panel



① Display (LCD)

The display shows the Home screen and the menus related to using the metronome and making operation and effect settings. (See “Home screen” on page 8.)

② Wheel

Use to select items and change values when using menus and the effect section.

③ ENTER key

Press this key to confirm a selection when using menus and the effect section and to advance to the next screen.

④ LOOP key

Press this key to start loop playback mode and automatically repeat playback of a section of a song that you select. The **I↔O** indicator appears on the display. (See “Repeat playback of a selected loop” on page 19.)

Press this key again to exit loop playback mode.

⑤ MENU key

When the home screen is open, press this key to open the **MENU** screen.

During use of menus or the effect settings screen, press this key to return to the previous screen. Repeated presses eventually returns to the home screen.

⑥ FX key

Press this key to open the **EFFECT** screen. When the **EFFECT** screen is open, press this key to return to the home screen.

⑦ I/O key

Use this key to set the IN and OUT points to set a section for loop playback.

When both IN and OUT points are set, pressing this key again will clear these points. (See “Repeat playback of a selected loop” on page 19.)

⑧ ▶/|| key

Press this key to start playback or to pause playback at the current position.

When the **METRONOME** screen is open, press this to start and stop the metronome.

⑨ ▶▶ key

Press this key to skip to the next track.

Press and hold to search forward.

⑩ ◀◀ key

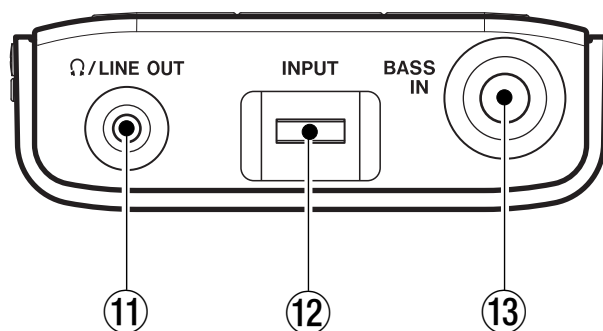
Press this key to return to the beginning of a track that is playing or paused.

When at the beginning of a track, press to skip to the previous track.

Press and hold to search backward.

2 – Part names and functions

Front Panel



⑪ Ω / LINE OUT jack

Connect headphones to this jack to hear the playing tracks and the sound of a connected bass.

This jack can also be used as a line output jack.

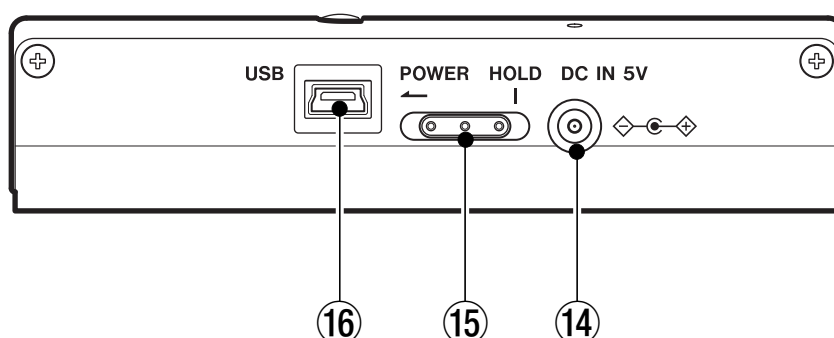
⑫ INPUT volume

Use to adjust the input level of the **BASS IN** jack.

⑬ BASS IN jack

Connect a bass with a standard bass cable here.

Right Side Panel



⑭ DC IN 5V jack

Connect an AC adapter (TASCAM PS-P520, sold separately).

⑮ POWER switch

Slide and hold this switch in the direction of the arrow (to the left) to turn the power ON and OFF.

Slide it to the right to engage the **HOLD** function. When set to **HOLD**, all keys are disabled.

⑯ USB port

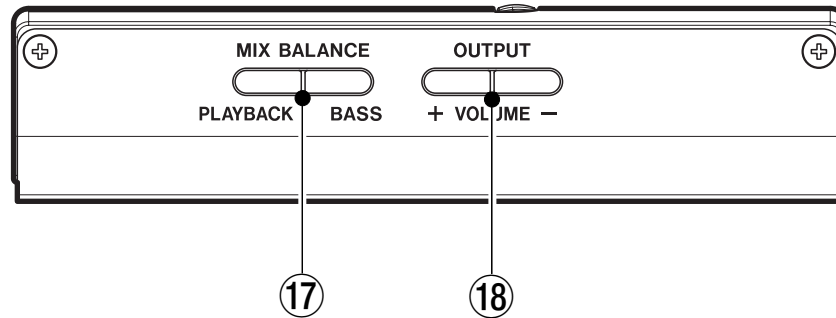
Connect the included USB cable to this port and your computer.

NOTE

Trouble-free use of a USB hub cannot be guaranteed. If you experience trouble using a USB hub, connect the unit directly with the computer.

2 – Part names and functions

Left Side Panel



17 MIX BALANCE (BASS, PLAYBACK) keys

Use these keys to adjust the balance between the volume of the bass connected to the **BASS IN** jack and the playing track. During adjustment, the balance status is shown at the bottom of the display.

Press the **BASS** key to increase the relative level of the bass, and the **PLAYBACK** key to increase the relative level of the playing track.

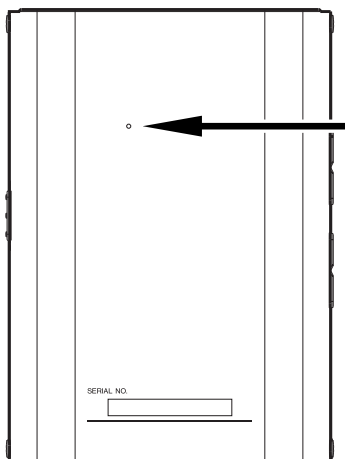
During metronome playback, these keys adjust the bass and metronome balance with the **PLAYBACK** key increasing the metronome volume relatively.

18 OUTPUT VOLUME (+, -) keys

Use to adjust the overall signal level sent from the Ω /LINE OUT jack.

During adjustment, the output volume is shown at the bottom of the display.

Back Panel



Reset hole

If the MP-BT1 starts to operate incorrectly, insert the end of a paper clip or similar object into this hole to press the System Reset Button inside. Pressing this button turns the power OFF.

CAUTION

Do not press the System Reset Button if the unit is operating normally.

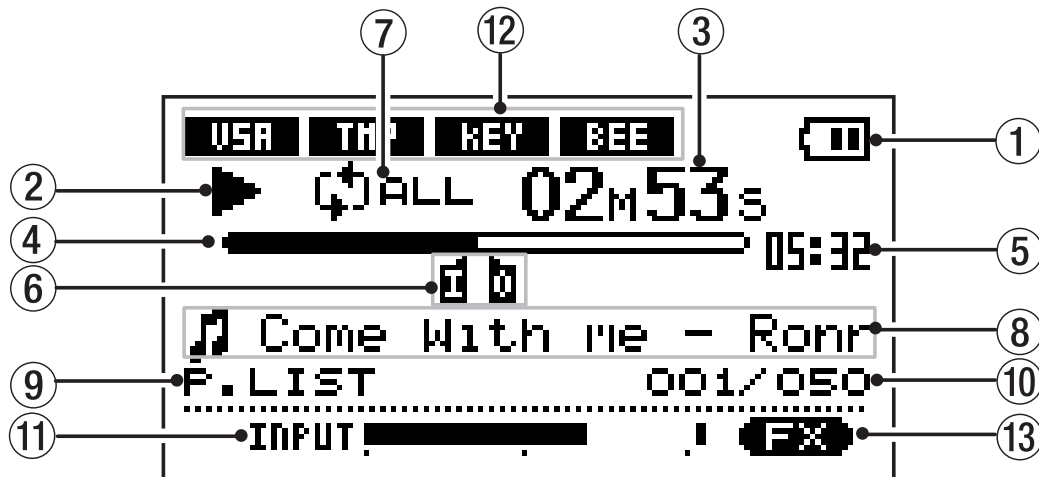
2 – Part names and functions

Home screen

During normal operation the Home screen appears on the display. The following explanation is for the Home screen.

NOTE

When using menus or the built-in effects dedicated screens are opened. See other sections for explanation of menu and effect screens.



① Power

The battery indicator appears when the built-in lithium ion battery is used. Three bars show a full battery. This indicator blinks when the battery needs to be recharged.

② Player operation indicators

These indicators show what the player is doing.

- ▶ Track is playing
- || Track is paused
- Track stopped at beginning
- ▶▶ Fast forwarding
- ◀◀ Fast rewinding
- ▶▶▶ Skipping to next track
- ◀◀◀ Skipping to previous track

③ Elapsed time (00m00s)

The elapsed time (minutes: seconds) appears during track playback.

④ Playback position bar

This bar shows the current playback position. The dark bar extends from the left as playback proceeds.

⑤ Remaining time

The remaining time (minutes: seconds) appears during track playback.

⑥ Loop IN point and OUT point markers

Shows the loop playback IN and OUT points.

When the IN point is set, **I** appears below the playback position bar at the position relative to the time of the IN point.

When the OUT point is set, **0** appears below the playback position bar at the position relative to the time of the OUT point.

⑦ Loop/repeat setting status indicators

The following indicators appear according to the playback settings.

- ↪ SINGLE Current track plays and then playback stops
- ↻ 1 Current track plays repeatedly
- ↻ ALL All tracks in the play area play repeatedly
- ↻↻ Playback loops between IN and OUT points

⑧ Track information

Tag information or file name appears during playback.

If there is ID3 tag information, the Title information will be shown, but if not, the file name will be shown.

2 – Part names and functions

⑨ Play area

The currently selected play area appears.

ALL All files in the **MUSIC** folder

FOLDER Files in a subfolder of the **MUSIC** folder

P.LIST Files added to the playlist

Playback track number/total number of tracks

The current track number and the total number of tracks in the selected play area appears.

⑩ Track number

Shows the current track number/number of tracks in the selected play area.

⑪ INPUT level meter

Level of the bass signal entering the **BASS IN** jack appears.

⑫ Status of playback control functions

The status of each playback control function (VSA, tempo, key, BEE) is shown.

When a function is ON, its indicator appears with light colored letters on a dark background.

⑬ Effect setting status

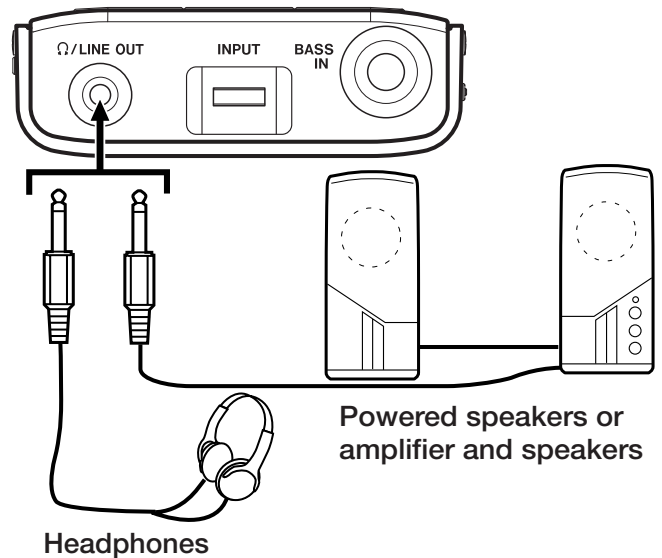
Shows whether the effects are ON or OFF. When the effect function is ON, its indicator appears with light colored letters on a dark background.

3 – Connections & MP3 Transfer

Making connections

Connecting headphones or speakers

You can connect headphones or a monitoring system (powered speakers, amplifier/speaker system, etc.) to the MP-BT1 Ω /LINE OUT jack.



Connecting a bass

Using the MP-BT1's bass input jack and built-in bass effects, you can create a variety of electric bass tones with just the MP-BT1. You can also play bass along with an MP3 track on the unit. (See the "Practice Functions" chapter on page 18 and the "Using Effects" chapter on page 20.)

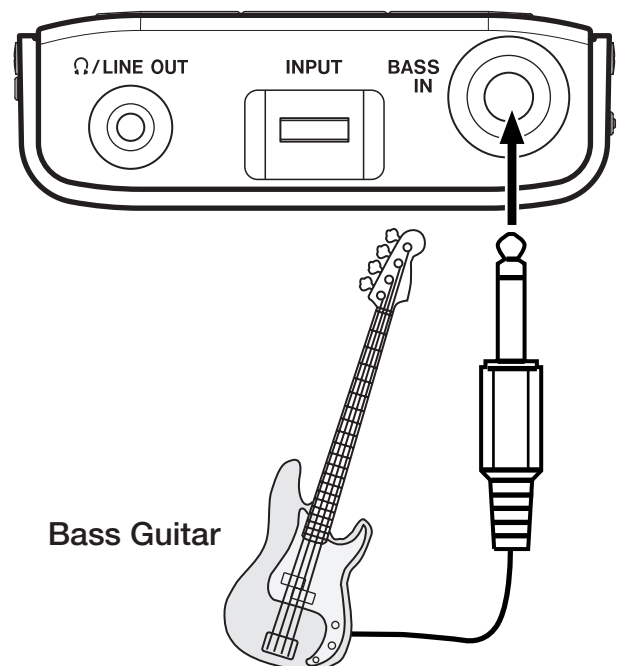
The **INPUT** level meter appears at the bottom of the home screen. Use this to confirm input and adjust the level of the bass signal. If the input level is too high, the dot at the far right end of the bar will stay lit briefly. If the input level is low, then the meter bar will extend only a short distance from the left when you play the bass.

Watch this meter as you adjust the **INPUT** volume to set the input level so that it is neither too high or too low.

The bass sound is output through the Ω /LINE OUT jack.

NOTE

When using a bass with a high output level, such as Active bass guitars, adjust its output volume as well as reducing the input volume to avoid clipping the sound. This will give you a better bass sound.



3 – Connections & MP3 Transfer

Connecting to a computer

By connecting the MP-BT1 to a computer, you can copy music files (in MP3 format) from the computer to the MP-BT1, erase files on the MP-BT1 and edit folders.

To transfer music files stored on a computer to the MP-BT1, use the included USB cable to connect the USB port on the unit to a computer USB port.

connected... USB appears on the MP-BT1 screen. On the computer, you should find the unit shown as an external drive named “MP-BT1.”



NOTE

When shipped from the factory, a copy of this Owner's Manual is stored in the MP-BT1 drive in PDF format in the MANUAL folder. If you erase it, please make a backup copy for future reference.

Disconnecting from a computer

When disconnecting the MP-BT1 from a computer, follow the procedures for your computer operating system to dismount an external drive, and then disconnect the USB cable.

The MP-BT1 automatically restarts.



Moving MP3 files to the the MP-BT1

Copying tracks from a computer

The MP-BT1 can play back MP3 (MPEG1 Audio Layer III) format files. (See “File information page” on page 24.)

MP3 files are transferred from a computer by the USB cable.

NOTE

RIFF format MP3 files with .wav extensions are not supported. 44.1 kHz is the only supported sampling frequency. MP3 files with other frequencies, including 48 kHz and 32 kHz, are not supported.

Preparing MP3 files on a computer

Use a software application to convert tracks from a CD or other source into MP3 files on the computer.

NOTE

Most music importing software (e.g. iTunes) can convert tracks from other formats to MP3s. However, this software can probably also convert and import into other formats. Please confirm that your software is set to import tracks in MP3 format.

Procedures to copy tracks from a computer

- 1 Connect the MP-BT1 and the computer. (See “Connecting to a computer” above.)
- 2 Click on the “MP-BT1” drive icon on the computer to open it. There are two folders inside: UTILITY and MUSIC.
- 3 Drag and drop MP3 files from the computer into the MUSIC folder. The MP3 files appear in the MUSIC folder when copying to the MP-BT1’s memory is complete.

- 4 When finished copying files, from the computer, follow the procedures for your computer operating system to disconnect the MP-BT1, and then disconnect the USB cable. The MP-BT1 automatically restarts.

TIP

- You can create subfolders inside the MUSIC folder. Two levels of subfolders can be used. By setting the unit to play tracks only in a selected folder, you can categorize tracks or create folders for different users, for example. (See “Setting the play area” on page 15.)
- Give names to the sub folders and tracks as you wish them to appear on the MP-BT1 screen. (MP3s with ID3 tags will have Title information shown instead of file names.)
- Subfolders and tracks 3 or more levels below will not appear on the MP-BT1 and cannot be used with the unit.

4 – Menus & Settings

Menu items

Press the **MENU** key to open the menu and access most of the MP-BT1 functions and settings.



NOTE

The effect settings screen is accessed by using the FX key rather than the MENU key.

Menu overview

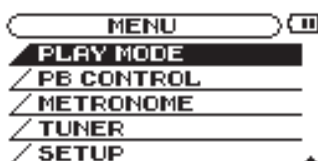
The MP-BT1 Menu has the following items.

Menu item	Function
INFORMATION	Show summaries of current file information, memory usage and system settings
BROWSE	Show music files/folders inside the MUSIC folder and allows tracks to be selected for direct playback and adding to the playlist
PLAYLIST	Show and edit the playlist (move and erase playlist tracks)
PLAY MODE	Set the playback area and repeat mode
PB CONTROL	Set tempo, key, and BEE (Bass Enhance Effect)
METRONOME	Set and use the metronome
TUNER	Set and use the bass tuner and the oscillator
SETUP	Make various global settings and initialize and format the unit

Using the Menus

Use the **MENU** and **ENTER** keys and the wheel for most menu operations. (See “Top Panel” on page 5.)

The currently selected item appears as light letters on a dark background.



NOTE

You can use the menus and effects while a track is playing.

4 – Menus & Settings

Operation example

In this example, we change the fast forward and reverse speed by using the **SETUP** menu **CUE/REV SPEED** item.

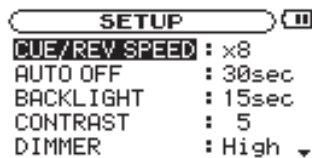
- 1 With the Home screen open, press the MENU key.
The MENU screen with the list of menus appears.



NOTE

As shown above, the ▼ at the bottom right of the screen indicates that there are items not shown that can be accessed by scrolling down. If the ▲ appears in the same area, there are items not shown that can be accessed by scrolling up.

- 2 Turn the wheel to select the **SETUP** screen and press the ENTER key to open the **SETUP** screen.



- 3 Turn the wheel to select **CUE/REV SPEED** and press the ENTER key. The current setting is highlighted.
- 4 Turn the wheel to choose the desired value.

NOTE

▲ and ▼ appear to the right of the setting value and indicate whether the value can be raised or lowered.

For example, in the case of **CUE/REV**, there are five possible settings: X2, X4, X6, X8 and X10.

If the lowest value (in this example, X2) is set, then the ▲ appears, showing that the value can be raised.

If the highest value (in this example, X10) is set, then the ▼ appears, showing that the value can be lowered.

If set at any other value, both ▲ and ▼ appear showing that the value can be raised or lowered.

5. Press the MENU key repeatedly to return to the Home screen. Each time you press this key, you will return to the previous level of operation.

NOTE

Using the **EFFECT** screen works in the same way as the other Menus. (See the "Using Effects" chapter on page 20.)

5 – Playing and Selecting Tracks

Basic track playback functions

Use the ►/||, ◀◀ and ▶▶ keys to operate the MP-BT1 in the same way that you would use an ordinary CD player or other music device.

Playing a track

Press the ►/|| key to start playback of a track that is stopped.

Pausing a track

Press the ►/|| key to pause a track that is playing at the position where you press the key.

Selecting a track

Press the skip (◀◀ and ▶▶) keys to select a track. This is possible during playback or when paused.

Pressing the ◀◀ key during playback or when a track is paused returns the playback position to the beginning of that track.

Pressing the ◀◀ key when stopped at the beginning of a track skips to the beginning of the previous track.

Pressing the ▶▶ key always skips to the beginning of the next track.

NOTE

The ■ indicator appears on the display when playback is stopped at the beginning of a track. The || indicator appears when playback is paused at any other point in a track.

Searching a track

Press and hold the ◀◀ and ▶▶ keys to search backward and forward through a track (rewind and fast forward).

Adjusting the volume

Use the OUTPUT VOLUME keys (+, -) to adjust the playback volume. During adjustment, the current volume level appears at the bottom of the display. Since the OUTPUT VOLUME keys adjust the volume level of all MP-BT1 sound output, they also affect the volume level of a connected bass.



Selecting a track to play

There are two ways to choose the track that you want to play. You can use the ◀◀ and ▶▶ keys when the Home screen is open or you can use the BROWSE screen (see below).

Using the Browse screen to select tracks

On the BROWSE screen, you can see the contents of the MUSIC folder. You can immediately start playback of a track by selecting a music file on this screen and pressing the ►/|| key.

NOTE

You can also add tracks to the playlist on the BROWSE screen. Use a computer to erase or move files and folders in the MUSIC folder. You cannot do this using the BROWSE screen.

To open the BROWSE screen, press the MENU key to open the MENU screen, then select the BROWSE item and press the ENTER key.



The BROWSE screen shows the folders and music files by their levels. Open a folder to see the music files in it. To open a folder, select it and press the ENTER key.

MUSIC

The MUSIC folder is the top level folder shown in the BROWSE screen.



This indicator appears next to the names of music files.

Select a music file and press the ►/|| key to start playing that track and return to the Home screen immediately.

Select a music file and press the ENTER key to open a popup window that allows you to add that track to the playlist. (See “Using the playlist” on page 16.)

NOTE

Files with extensions other than MP3 do not appear.

(Continues on next page.)

5 – Playing and Selecting Tracks



This indicator appears next to folders that contain subfolders.



This indicator appears next to folders that do not contain subfolders.

The following **BROWSE** screen shows what happens after the folder named “Favorite” has been opened.



The contents of this folder (in this example, Favorite) are shown on the screen.



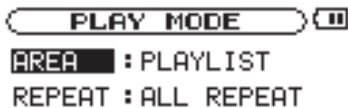
Select this indicator and press the **ENTER** key to close the open folder and return to the screen showing the contents of the folder that holds it.

Setting the play area

You can set the MP-BT1 to play only a specific group of tracks from the Home screen by setting the play area. This makes track selection easier when you have numerous tracks on the unit.

Use the **PLAY MODE** menu to set the play area.

- 1 Press the **MENU** key to open the **MENU** screen, and select and open the **PLAY MODE** screen.



- 2 Select the **AREA** item and press the **ENTER** key.
- 3 Choose one of the following play area options.

ALL

Allows Home screen playback of all accessible files that have been transferred to the MP-BT1's MUSIC folder from a computer.

FOLDER

Allows Home screen playback of all accessible files in the same folder as the currently selected track.

To change the current folder, go to the **BROWSE** screen and select any track inside the desired folder. (See “Using the Browse screen to select tracks” on page 14.)

NOTE

Only files in the currently selected folder are available for Home screen playback. Files inside subfolders within the selected folder are not available.

PLAYLIST

Allows Home screen playback of all files added to the playlist. (See “Using the playlist” on page 16.)

If no files have been added to the playlist, then **No PLAYLIST** appears. Add files to the playlist or make a different selection.

NOTE

The current play area setting appears at the bottom left of the Home screen.



5 – Playing and Selecting Tracks

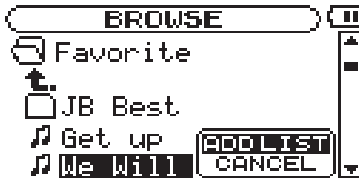
Using the playlist

You can create a list of tracks (playlist) for playback. Select “PLAYLIST” for the AREA item on the PLAY MODE screen. Tracks that can be selected and played from the Home screen are then limited to those added to the playlist.

Adding tracks to the playlist

- 1 Press the MENU key to open the MENU screen. Then, select and open the BROWSE screen.
- 2 Select a track (music file) that you want to add to the playlist and press the ENTER key.

A popup window for adding tracks to the playlist appears.



- 3 Select ADD LIST and press the ENTER key.

The track is added to the playlist and the popup window closes.

NOTE

If you select CANCEL and press the ENTER key, the track is not added and the popup window closes.

- 4 Repeat steps 2 and 3 as necessary to add more tracks to the playlist. The tracks are numbered in the order that they are added.

Editing the playlist

You can view and edit the playlist on the PLAYLIST screen.

- 1 Press the MENU key to open the MENU screen. Select PLAYLIST and press ENTER to open the PLAYLIST screen.



- 2 Select the track that you want to edit and press the ENTER key to open a popup window.



The remaining procedures differ according to which of the three items that you choose to edit.

NOTE

Select CANCEL in the popup window and press the ENTER key to quit the procedure without making any change.

ALL CLR: Remove all tracks from the playlist

Select this to remove all tracks from the playlist. (In this case, it does not matter which track you select in step 2.) This removes tracks from the playlist, but it does not erase them from the MP-BT1.

- 3 Select ALL CLR from the popup window and press the ENTER key.

A confirmation message appears.

- 4 Press the ENTER key to remove all the tracks from the playlist.

Press the MENU key to cancel this action.

DELETE: Remove one track from the playlist

Select this to remove a track from the playlist. This removes the track from the playlist, but it does not erase it from the MP-BT1.

- 3 Select DELETE from the popup window and press the ENTER key.

The track is removed from the playlist.

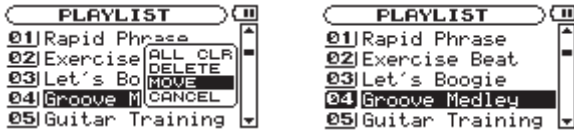
(Continues on next page.)

5 – Playing and Selecting Tracks

MOVE: Change the order of tracks

Select this to change the order of tracks in the playlist.

- 3 Select **MOVE** from the popup window and press the **ENTER** key.



The track's number is highlighted.

- 4 Use the wheel to move the track to a different position in the playlist.



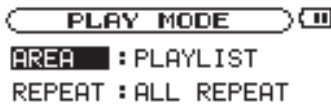
In the example shown above, the 4th track in the list is being moved to the 3rd track position.

- 5 Press the **ENTER** key to complete track reordering and return to the ordinary **PLAYLIST** screen.

Repeat and single-track playback (PLAY MODE)

Repeat playback of the current track or all tracks in the selected play area is possible. Playing a single track just once is also possible.

- 1 Press the **MENU** key to open the **MENU**, and select and open the **PLAY MODE** screen.



- 2 Select the **REPEAT** item to set one of the following modes.

OFF

All tracks in the current play area play once in order.

SINGLE

The current track plays once without repeating and the (Single indicator) appears on the Home screen.

1 REPEAT

The current track plays repeatedly and the (1track repeat indicator) appears on the Home screen.

ALL REPEAT

All tracks in the current play area play repeatedly and the (all track repeat indicator) appears on the Home screen.

NOTE

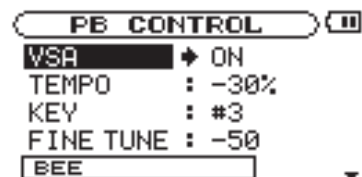
*Loop playback automatically turns OFF any active **PLAY MODE** repeat mode.*

6 – Practice Functions

Changing playback pitch and tempo

Not only can you use the MP-BT1 to change the tempo of track playback, you can do this without changing the pitch. You can also change the playback pitch of a track without changing the tempo.

These changes can be made on the **PB CONTROL** screen. When the Home screen is open, press the **ENTER** key to open the **PB CONTROL** screen.



NOTE

You can also access this menu from the MENU screen by selecting and opening PB CONTROL.

Changing the tempo (TEMPO)

Use the **TEMPO** item to change the track tempo, including reducing it up to 50%.

Playback speed is altered according to the tempo value setting. The number shown is a percentage change.

On the Home screen the **TMP** indicator appears as light letters on a dark background.

The available tempo change values depend on whether the **VSA** function is ON or OFF.

VSA: ON Choose one of the following values (%):
-50, -32, -16, -12, -8, -4, 0, +4, +8, +12, +16

VSA: OFF Choose any value between -50 and +16 (%)

NOTE

If you set the tempo adjustment value when VSA is OFF and then turn VSA ON, the nearest tempo value is selected automatically

Change tempo without changing pitch (VSA)

Turn the Variable Speed Audition (**VSA**) function ON to keep the pitch the same when changing the tempo. Use the **VSA** item to turn the **VSA** function ON and OFF.

When ON, the **VSA** indicator appears on the Home screen as light letters on a dark background.

NOTE

During use of pitch control functions, playback may sometimes sound uneven. This is the result of special processing and is not a malfunction.

Change key without changing tempo (KEY)

Use the **KEY** item to change the pitch in semitones without changing the tempo.

Use the **KEY** item to adjust the pitch up or down by 1–6 semitones (#6–b6).

When **KEY** is ON (changed from 0), the **KEY** indicator appears as light letters on a dark background on the Home screen.

Use the **FINE TUNE** item to adjust the pitch in cents (100 cents = 1 semitone).

Controlling bass sounds with Bass Enhance Effect (BEE)

BEE is a new algorithm for the MP-BT1 developed by TASCAM to let you hear the bass rhythms more clearly for practicing.

Use the BEE function to control the sounds of bass in tracks being played back. Use the three BEE items on the **PB CONTROL** screen to adjust the bass enhance effect.

EFFECT

Use this item to turn the BEE function ON and OFF. When ON, the **BEE** indicator appears on the Home screen in light letters on a dark background.

TYPE

Use this item to select a BEE type:

BOOST Boosts the bass sounds

ENHANCE Enhances the edge of the bass sounds

The **CUT** item can be selected to reduce the bass sounds.

NOTE

The effectiveness of this function varies between tracks. If using the BOOST or ENHANCE types does not vary the bass sounds being played back as you want, try adjusting the following parameters for better results.

LEVEL/FREQ

Depending on the BEE type, these items appear below the **TYPE** item. The selectable value is shown as 1, 2, or 3.

The **LEVEL** item is used to adjust the boost level. The largest boost level is 3.

The **FREQ** item is used to adjust the frequency range. The highest frequency range is 3.

6 – Practice Functions

Repeat playback of a selected loop

Follow these procedures to repeat playback of a selected part of a track (loop playback).

- 1 Press the I/O key when a track is playing or paused at the point where you want to set the IN point (loop starting point).
- 2 Press the I/O key again at the point when you want to set the OUT point and start loop playback between the IN and OUT points.

NOTE

Loop playback automatically turns OFF any active PLAY MODE repeat mode.

Below the playback position bar on the Home screen, the “I” indicator appears at the IN point, and the “O” indicator appears at the OUT point. During loop playback, **I+O** appears on the LCD.

- To stop loop playback press either the LOOP key or the I/O key.
- If you press the LOOP key, the loop IN and OUT points are kept, so you can play the same loop if you press the LOOP key again.
- If you press the I/O key, the loop IN and OUT points are cleared.

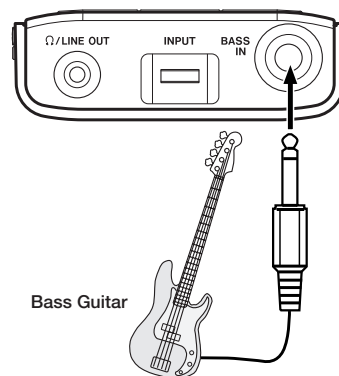
Connecting a guitar to practice

You can connect a guitar and mix your guitar playing with the track you are playing back.

You can also use the built-in guitar effects to craft your bass tone for even more effective practice and performance.

- 1 Connect a bass to the BASS IN jack.
- 2 Adjust the bass volume with the INPUT dial.

The bass sound is output through the Ω /LINE OUT jack. (See “Connecting a Bass” on page 10 for more information.)



Practicing with tracks as they play

If you play bass while a track is playing back, you can hear the combined signals of the bass and the track output through the Ω /LINE OUT jack.

Use the MIX BALANCE keys to adjust the volume level balance between the track being played back (PLAYBACK) and the bass (BASS) signals.

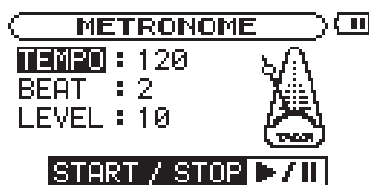
As you adjust the balance, a status bar appears at the bottom of the display.



Using the metronome (METRONOME)

Use the MP-BT1's built-in metronome during practice to improve your timing.

To use the metronome, press the MENU key to open the MENU screen and select and open the METRONOME item.



TEMPO

Use to set the tempo between 20 and 250.

BEAT

Set the accent between 0 and 9. There is no accent when set to 0.

LEVEL

Use to set the metronome volume.

Turning the metronome ON and OFF

Press the **▶/||** key to start and stop the metronome.

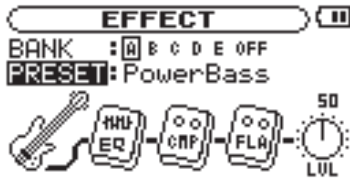
NOTE

When the metronome is ON, you can use other settings, but instead of returning to the usual Home screen, you return to the METRONOME screen. Stop the metronome if you want to return to the Home screen.

7 – Using Effects

The MP-BT1 has built-in bass effects.

Press the **FX** key to open the **EFFECT** screen.



As with other screens, use the wheel to select items and adjust setting values and press the **ENTER** key to confirm selections. Use the **MENU** key to return to previous items or screens.

As the figure above shows, on the **EFFECT** screen, in addition to **BANK** and **PRESET** items, there is a bass, up to 3 effect modules, and a knob labeled **LVL**. The bass is there just to show you where the signal starts, but you can adjust all the other items. Turn the wheel when the **EFFECT** screen is open to select the effect modules and the **LVL** knob. These items appear darker when selected just like menu items.

NOTE

Each preset has a different set of effect modules. See the Effect presets list on page 25 for which modules are included with each preset.

BANK

Choose effects from 5 banks (**A** to **E**). When one of the banks is selected, the **FX** indicator is shown in light letters on a dark background at the bottom right of the Home screen.

Each bank can be loaded with a preset. Load a favorite preset to the banks so that you can quickly switch effects between the five banks.

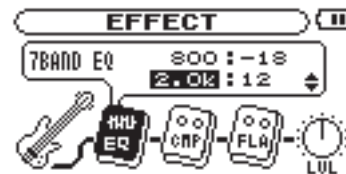
OFF can be selected to bypass the effects.

PRESET

Choose from 82 presets with a different selection of effects. The module icon(s) shown on the screen changes as a preset selected. (See the “Effect presets list” on page 25 for details.)

Effect modules

Select a module and press the **ENTER** key to open its settings window. Each module has different types and numbers of parameters that vary according to the effect type. See the “Effect module parameters list” on page 26 for details.



LVL knob

Use this to adjust the effect output level. Select it and press the **ENTER** key. When the number above the knob appears light on a dark background, you can adjust it using the wheel to a value between 0 (no sound from the effect) and 100.

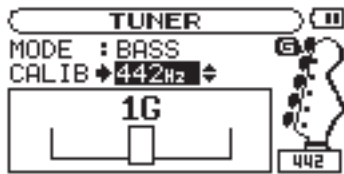
Press the **FX** key again to close the **EFFECT** screen and return to the Home screen.

NOTE

*You can also return to the Home screen by pressing the **MENU** key.*

8 – Using the Tuner

The MP-BT1 has a built-in bass tuner and an oscillator that can output any pitch between C4 and B6. To use the tuner functions, press the **MENU** key to open the **MENU** screen, and select and open the **TUNER** item.



MODE

Select from the following tuner modes.

BASS Bass tuning mode

AUTO Chromatic tuning mode

OSC. Oscillator mode

CALIB

You can adjust the frequency of A between 435 and 445 Hz. The value of this setting also appears at the bottom right of the screen. This setting affects all tuner modes.

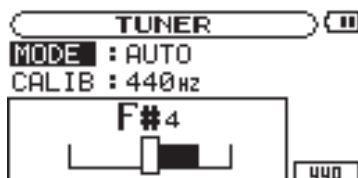
The following sections explain how to use each of the three tuner modes.

Chromatic tuner mode (AUTO)

This is the default mode. In this mode, there is no need to change settings as you tune each string.

- 1 With the bass connected to the **BASS IN** jack, play the string that you want to tune. The note name closest to the current string pitch appears.
- 2 Tune the string approximately until the note that you want to tune to appears on the screen.
- 3 When the center of the meter lights, the string is in tune.

A bar appears on the left side of the meter if the pitch is too low, and on the right side if the pitch is too high. The longer the bar is, the more out of tune the string is.



Bass tuner mode (BASS)

In this mode, you must manually set the note for each string to be tuned.

- 1 Use the **NOTE** item to select the string that you want to tune (**1G**, **2D**, **3A**, **4E**, **5B**).
- 2 When the center of the meter lights, the string is in tune.

A bar appears on the left side of the meter if the pitch is too low, and on the right side if the pitch is too high. The longer the bar is, the more out of tune the string is.

Oscillator mode (OSC.)

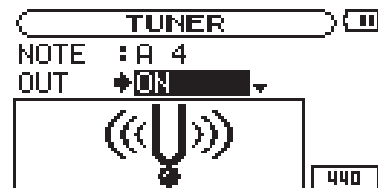
Use the built-in oscillator to output a sine wave through the **Ω/LINE OUT** jack. You can set this wave to any note in a 3-octave range between C2 and B4.

NOTE

Use this to set the pitch of the note to be output between C2 and B4.

OUT

Use this to turn the oscillator output ON and OFF. When ON, the onscreen tuning fork provides visual feedback.



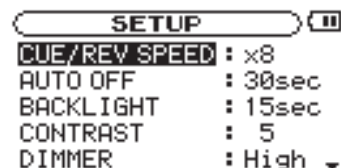
LEVEL

Use this to set the output level (0–100) of the oscillator.

9 – Setup Menu Options

On the **SETUP** screen, you can make various MP-BT1 settings, as well as initialize or format the unit. Press the **MENU** key to open the **MENU** screen, and then select and open the **SETUP** item.

The following settings related to how the MP-BT1 operates and its display behaves can be made on the **SETUP** screen.



```
SETUP
CUE/REV SPEED : x8
AUTO OFF      : 30sec
BACKLIGHT     : 15sec
CONTRAST      : 5
DIMMER        : High ▾
```

Cue and review speed

Use **CUE/REV SPEED** to determine how fast search occurs when the **▶▶** and **◀◀** keys are pushed and held.

Setting choices: **x2**, **x4**, **x8** (factory setting), **x10**

Automatic power off

Use **AUTO OFF** to set how long until the unit automatically turns OFF when powered by the internal battery. This setting is the amount of time from when track playback has stopped and the unit has last been used.

Setting choices: **OFF** (factory setting, the power must be turned off manually), **3 min**, **5 min**, **10 min**, **30 min**

Automatically turning off the backlight

Use **BACKLIGHT** to set the time since the last operation until the backlight automatically turns OFF when powered by the internal battery.

Setting choices: **OFF** (backlight always on), **5 sec** (factory setting), **10 sec**, **15 sec**, **30 sec**

Display contrast

Use **CONTRAST** to adjust the display contrast.

Setting choices: **1–20** (factory setting: **12**)

Backlight brightness

Use **DIMMER** to adjust the backlight brightness.

Setting choices: **HIGH** (factory setting), **LOW**, **OFF** (no backlight)

Initializing the unit

Use **INITIALIZE** to restore the MP-BT1 to its factory settings.

- 1 Select **INITIALIZE** and press the **ENTER** key to highlight **Exec**.
- 2 Press the **ENTER** key again to open a confirmation popup window.
- 3 Press the **ENTER** key again to initialize the unit.
Press the **MENU** key to cancel initialization.

9 – Setup Menu Options

Formatting the unit quickly

Use **QUICK FORMAT** to format the MP-BT1's flash memory quickly. Formatting the unit erases all files on the unit, but the **MUSIC** and **UTILITY** folders and the mp-gt1.sys files are automatically regenerated.

- 1 Select **QUICK FORMAT** and press the **ENTER** key to highlight **Exec**.
- 2 Press the **ENTER** key again to open a confirmation popup window.
- 3 Press the **ENTER** key again to format the unit quickly.
Press the **MENU** key to cancel formatting.

Formatting the unit completely

Use **FULL FORMAT** to format the MP-BT1's flash memory completely. Unlike **QUICK FORMAT**, **FULL FORMAT** also checks the memory for errors. For this reason, it takes much more time. Formatting the unit erases all files on the unit, but the **MUSIC** and **UTILITY** folders and the mp-gt1.sys files are automatically regenerated.

- 1 Select **FULL FORMAT** and press the **ENTER** key to highlight **Exec**.
- 2 Press the **ENTER** key again to open a confirmation popup window.
- 3 Press the **ENTER** key again to format the unit fully.
Press the **MENU** key to cancel formatting.

WARNING

*Using **QUICK FORMAT** or **FULL FORMAT** erases the **MANUAL** folder and the pdf *Owner's Manual* in it. Please make a copy of this file before formatting the unit.*

CAUTION

*When using **QUICK FORMAT** or **FULL FORMAT**, use the **AC adapter** (sold separately) or confirm that the battery is sufficiently charged. If the power fails during formatting, the formatting may not occur correctly.*

10 – Using the Information Pages

Use the **INFORMATION** screen to view various information about files, memory usage and MP-BT1 system settings.

Press the **MENU** key to open the **MENU** screen and select and open **INFORMATION**.

Use the wheel to switch between the three **INFORMATION** pages.

FILE Currently active MP3 file data

MEMORY Built-in flash memory use

SYSTEM MP-BT1 system settings and firmware version

File information page (FILE)

Shows information about the currently selected file.



MP3 File bit rate (kbps), CBR or VBR (constant bit rate, variable bit rate), and sampling frequency (kHz)

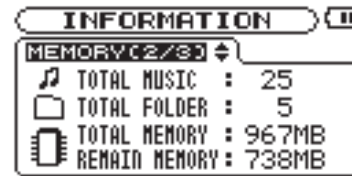
TITLE ID3 tag title information when available; otherwise shows file name

ALBUM Shows ID3 tag album information when available; otherwise blank

ARTIST Shows ID3 tag artist information when available; otherwise blank

Memory information page (MEMORY)

Shows status of built-in flash memory usage.



TOTAL MUSIC Total number of playable files in the MUSIC folder

TOTAL FOLDER Total number of subfolders in the MUSIC folder

TOTAL MEMORY Total capacity of the built-in flash memory

REMAIN MEMORY Total amount of unused built-in flash memory

NOTE

The MP-BT1 can recognize a maximum combined total of 550 files and folders. If there are more than 550, files and folders in excess of this number will not appear on the unit.

System information page (SYSTEM)

Shows MP-BT1 system settings information and firmware version.



CUE/REV SPD Cue and review speed

AUTO OFF Auto power OFF

BACKLIGHT Backlight auto OFF

System Ver. System firmware version

11 – Effect Lists

Effect preset list

Name	Module 1	Module 2	Module 3	Description
PowerBass	Compressor	7Band EQ	Flanger	Powerful midrange with Compressor and Flanger
Rock Bass	7Band EQ	Compressor	Through	Heavy bottom tone with compressor for Rock music.
Cool Slap	7Band EQ	Through	Chorus	Cool chorus sound with enhanced low end for slap bass.
Tight Bass	7Band EQ	Through	Through	Tight tone by reducing midrange(400Hz)
Deep Bass	7Band EQ	Through	Reverb	Rich bottom end with deep reverb.
BoldBass	Compressor	7Band EQ	Chorus	Compressed tone with boosted mid-low and chorus.
Warm sound	7Band EQ	Compressor	Chorus	Warm mid-range tone by cutting high frequency.
Artificial	Compressor	7Band EQ	Techno Filter	Unique tone by using Techno Filter.
RadioTone	7Band EQ	Compressor	Auto Wah	"Radio" tone by using Wah and reducing bottom-end.
Dist GTR	7Band EQ	Distortion	Chorus	Distortion guitar sound.
Funk GTR	7Band EQ	Distortion	Auto Wah	Funky guitar tone by Wah.
Funky	7Band EQ	Compressor	Through	Thick funk tone with higher compression.
FunkyWah	Compressor	7Band EQ	Auto Wah	Funky bass tone by Compressor and Wah.
FunkyPhew	Compressor	7Band EQ	Phaser	Phaser tone with balanced mid-range.
FunkyJet	Compressor	7Band EQ	Flanger	Jet sound using Flanger.
Slap	7Band EQ	Compressor	Through	Slap bass sound by enhancing low and high end.
70's Funk	7Band EQ	Through	Auto Wah	70's funky bass sound using Wah.
80's Funk	7Band EQ	Compressor	Phaser	80's tight bass sound using Compressor and Phaser.
Mr.Treble	7Band EQ	Compressor	Delay	Bright bass tone by low-cut and high-boost EQ.
DirtyOne	7Band EQ	Distortion	Through	Heavy dirty tone using Distortion.
DeepFreeze	Compressor	7Band EQ	Chorus	Cool slap tone with Compressor and Chorus.
ROCKnROLL	7Band EQ	Distortion	Delay	Stack amp's rock solid tone by Distortion and EQ.
Jazzy	7Band EQ	Through	Reverb	Jazzy bass tone with high-cut and Reverb.
Fuzzy1	7Band EQ	Distortion	Techno Filter	Psychedelic fuzzy tone by Distortion and Techno Filter.
Old Type	7Band EQ	Through	Reverb	Mellow 60's bass tone with light Reverb.
Fuzzy2	7Band EQ	Compressor	Techno Filter	Unique fuzzy tone by Techno Filter and low-cut filter.
Dark Bass	Compressor	7Band EQ	Delay	Thick and dark bass tone by Compressor, Delay and high-cut filter.
SolidState	7Band EQ	Distortion	Through	Solid state bass amp tone in 70's.
Metallic	7Band EQ	Through	Exciter	Metallic bass sound by low/high booster and Exciter.
Blue	7Band EQ	Through	Reverb	Straight bass tone by flatted EQ with Reverb.
Red	Distortion	7Band EQ	Flanger	Hot bass sound using Distortion and Flanger.
Flying	7Band EQ	Distortion	Flanger	Flying bass tone with Distortion and low/high booster.
Dropper	7Band EQ	Through	Octaver	Dark Octaver sound using high-cut EQ.
Wall of S.	7Band EQ	Distortion	Reverb	Super heavy bottom bass sound.
BASSnBASS	7Band EQ	Through	Octaver	Thick bass sound with Octaver.
OffBass	Distortion	7Band EQ	Delay	Tight tone with Distortion and Delay.
SneakBass	Distortion	7Band EQ	Phaser	Wild bass tone by Distortion and Phaser.
AddHi8va	7Band EQ	Distortion	Octaver	Distortion sound with octave higher note.
AddLo8va	Compressor	7Band EQ	Octaver	Fat bass tone with octave lower note.
LowDump	7Band EQ	Through	Reverb	Reverb with low-cut EQ.
HighDump	7Band EQ	Through	Reverb	Warm tone by high-cut EQ with Reverb.
Boomy	7Band EQ	Compressor	Reverb	Boomy Distortion sound.

11 – Effect Lists

Name	Module 1	Module 2	Module 3	Description
Drilling	7Band EQ	Distortion	Exciter	Heavy Distortion bass sound using Exciter.
ShakinBass	Compressor	7Band EQ	Phaser	Unique phaser bass sound.
Nostalg	Distortion	7Band EQ	Reverb	70's distorted bass tone.
Splash	Distortion	7Band EQ	Flanger	Pop sound using Distortion and Flanger.
Std.Rock	Compressor	7Band EQ	Reverb	Basic bass tone by light compression and Reverb.
Doubling	Distortion	7Band EQ	Octaver	Doubled bass sound by Distortion and Octaver.
BassBomber	Compressor	7Band EQ	Delay	Heavy bottom tone by high compression, high-cut EQ and Delay.
CleanBass	Compressor	7Band EQ	Through	Flat tone using light Compressor.
Echo	7Band EQ	Through	Delay	Unique echo sound using long delay.
Screaming	7Band EQ	Distortion	Exciter	Screaming heavy tone using Distortion and Exciter.
LikeTechno	Distortion	7Band EQ	Techno Filter	Techno sound using Distortion and Exciter.
Fusion	7Band EQ	Compressor	Chorus	Slap bass tone by Compressor and Chorus.
Booster	Distortion	7Band EQ	Through	Bass Booster/Distortion sound by cutting low/high.
TreBoost	Compressor	7Band EQ	Chorus	Treble boost sound.
MidBoost	Compressor	7Band EQ	Reverb	Mid-booster with Reverb.
BasBoost	Compressor	7Band EQ	Through	Fat bass sound by compressor and low booster.
Noble Bass	7Band EQ	Through	Reverb	Beautiful bass tone with long Reverb.
Stepping	Compressor	7Band EQ	Delay	Unique Compressor and long Delay sound.
Rotation	7Band EQ	Through	Flanger	Rotary sound using Flanger.
Peaky	Distortion	7Band EQ	Auto Wah	Heavy funk sound with hard distortion and Wah.
Beeper	7Band EQ	Distortion	Phaser	Beeper like tone with Distortion and Phaser.
Rhythm	Compressor	7Band EQ	Through	Good and Old tone with light compression with light EQ.
Emphasizer	7Band EQ	Distortion	Exciter	Aggressive Distortion using Exciter.
SharpEdge	7Band EQ	Compressor	Exciter	Edgy bass sound by Exciter.
Jaggy	7Band EQ	Distortion	Exciter	Distorted bass sound by boosted low-end and Exciter.
Fantasy	7Band EQ	Through	Techno Filter	Fantastic bass sound using low-cut EQ and Techno Filter.
Tempest	7Band EQ	Distortion	Flanger	Stormy and noisy bass sound by boosted 10KHz, Distortion and Flanger.
Distortion	Distortion	Through	Through	Distortion
Compressor	Compressor	Through	Through	Compressor
Flanger	Through	Through	Flanger	Flanger
Chorus	Through	Through	Chorus	Chorus
Phaser	Through	Through	Phaser	Phaser
AutoWah	Through	Through	Auto Wah	Auto Wah
TechnoFlt	Through	Through	Techno Filter	Techno Filter
Octaver	Through	Through	Octaver	Octaver
Exciter	Through	Through	Exciter	Exciter
Delay	Through	Through	Delay	Delay
Reverb	Through	Through	Reverb	Reverb
Equalizer	7Band EQ	Through	Through	Equalizer
Through	Through	Through	Through	Bypass

Effect module parameters

The chart below explains the features of the effect modules that make up the MP-BT1 effect presets. Most of the effect presets use two or three modules in combination to achieve sounds that are even more interesting. If you have a specific sound in mind, try different presets and adjust the module parameters to find effect settings that meet your needs.

Module	Effect	Parameter	Details	Value range
7Band EQ (EQ)	Boosts/Cuts frequencies.	50	Adjusts the amount of boost/cut	-18–0–18
		120		
		400		
		800		
		2.0k		
		5.0k		
		10k		
Distortion (DST)	Heavily distorts the bass sound, making it stand out with thickness and sustain for a nice bass sound.	DIST	Adjusts the amount of distortion	0–30
		TONE	Adjusts the tone	0–20
Compressor (CMP)	Eliminating volume peaks, smoothing and giving the bass sound extra sustain.	COMP	Adjusts the amount of peak gain reduction	0–30
		GAIN	Adjusts the gain	0–20
Flanger (FLA)	Gives the sound a moving modulation that can be compared to the sound of a jet engine.	SPD	Adjusts the speed of modulation	0–30
		MIX	Adjusts the amount of the effect	0–20
Phaser (PHA)	Adds phasing sounds to the original sound.	SPD	Adjusts the speed of modulation	0–30
		RES	Adjusts the amount of the resonance	0–20
Chorus (CHO)	Adds a slightly detuned sound to create a wide, ensemble-like tone.	DPTH	Adjusts the modulation depth	0–30
		MIX	Adjusts the amount of the effect	0–20
Autowah (WAH)	Creates a sound like a wah pedal. Vary your picking force when using this effect.	SENS	Adjusts the sensitivity of the effect to picking force	0–30
		MODE	Selects one of the three modes	LP/BP/HP
Octaver (OCT)	Adds a sound one octave higher or lower to the original sound, creating a thick sound.	OCT	Selects the octave up or down	DN/UP
		MIX	Adjusts the amount of the effect	0–20
Techno Filter (TEC)	Vary the value of the filter at random to create a characteristic and unique sound.	SPD	Adjusts the speed of change	0–30
		MIX	Adjusts the amount of the effect	0–20
Exciter (EXC)	Adds harmonics to the original sound to make rich, shimmering tones that stand out.	FREQ	Adjusts the harmonics added to the sound	0–30
		MIX	Adjusts the amount of the effect	0–20
Reverb (REV)	Creates reflections to give the sound greater width.	TIME	Adjusts the reverberation time	0–25
		MIX	Adjusts the amount of the effect	0–20
Delay (DLY)	Adds echoes to the sound. Adjust the TIME and turn the MIX level up for a rockabilly sound.	TIME	Adjusts the delay time	0–99
		MIX	Adjusts the amount of the effect	0–20

12 – Messages

The following is a list of the popup messages that may appear on the MP-BT1. Use this list if one of these popup messages appears and you want to check the meaning or confirm a proper response.

Message	Meaning and response
File not found	Appears when the audio file cannot be found or the file is corrupted. Use a computer to check and reload the audio file.
Non-Supported	This appears when the audio file is not a supported encoding format. Use a computer to check the file format and reencode it and reload it if necessary.
Battery Empty	This warning appears when the battery is almost out of power. Use a USB connection or an AC adapter (sold separately) to recharge it.
I/O Too Short	This appears when using the I/O key to start loop playback if the IN and OUT points are too close together. Reset the IN and OUT points a little further apart and try again.
File Not Found PLAYLIST	The file in the PLAYLIST cannot be found. Please confirm that the file is still in the MUSIC folder.
No PLAYLIST	No files are in the PLAYLIST. This popup appears when the PLAY MODE is set to PLAYLIST, but no files have been added to the PLAYLIST. Add a file to the PLAYLIST. See “Adding tracks to the playlist” on page 16.
PLAYLIST FULL	This message appears if you try to add another track to the PLAYLIST when it already has 99 tracks. Erase an unneeded file from the PLAYLIST and then add a new file. See “Editing the playlist” on page 16.
Memory Error Init Memory	This message appears if the setup data saved in the Flash Memory is invalid, or is damaged. Press ENTER when the display shows <code>Are you Sure?</code> to initialize the setup data. Caution that the setup data reverts to the factory settings when initialization is executed.
Format Error Format Memory	This message appears if the FAT format in the Flash Memory is invalid, or is damaged. Also, it appears if the Flash Memory was formatted with a computer. Use the MP-BT1 and press ENTER when the display shows <code>Are you Sure?</code> to format the Flash Memory with FAT. Caution that current data in the Flash Memory will be erased when this FAT format operation is executed.
Not Found File Make Sys File	This message appears if the system file cannot be found. Press ENTER when the display shows <code>Are you Sure?</code> to create the system file automatically.
Invalid SysFile Make Sys file	This message appears if the system file is invalid, or is damaged. Press ENTER when the display shows “Are you Sure?” to overwrite with a correct system file automatically.

12 – Messages

Message	Meaning and response
Not Continued	If any of these errors occurs, turn the MP-BT1 power OFF and restart the unit. If the error message continues to appear, contact a TEAC Repair Center.
File Error	
FX Rx Failed	
FX Busy	
Can't Save Data	
Memory Error	
Player Error	
Device Error	
System Err 50	
System Error 1	
System Error 2	
System Error 3	
System Error 4	
System Error 5	
System Error 6	
System Error 7	
System Error 8	
System Error 9	

13 – Recycling the Battery

This unit uses a lithium ion battery. Lithium ion batteries are a valuable, recyclable resource. Before disposing of this unit, please remove and recycle its battery.



WARNING

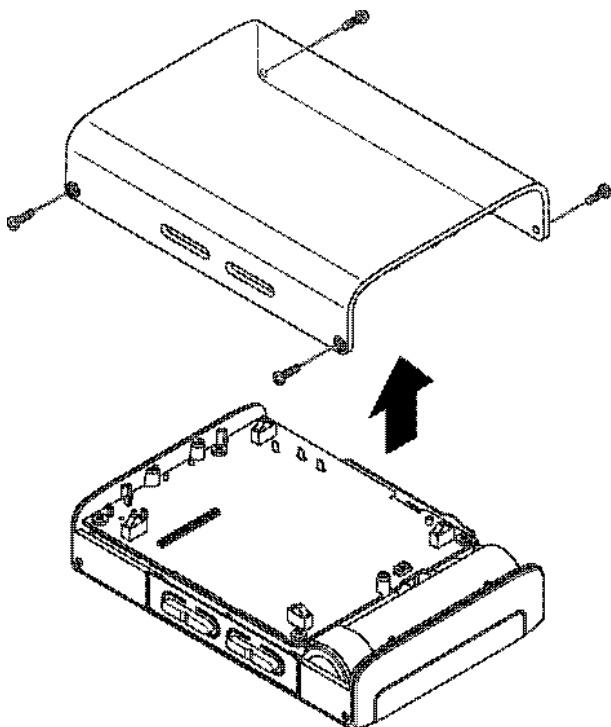
NEVER TAKE THE UNIT APART FOR ANY PURPOSE OTHER THAN TO REMOVE THE BATTERY BEFORE DISPOSAL!



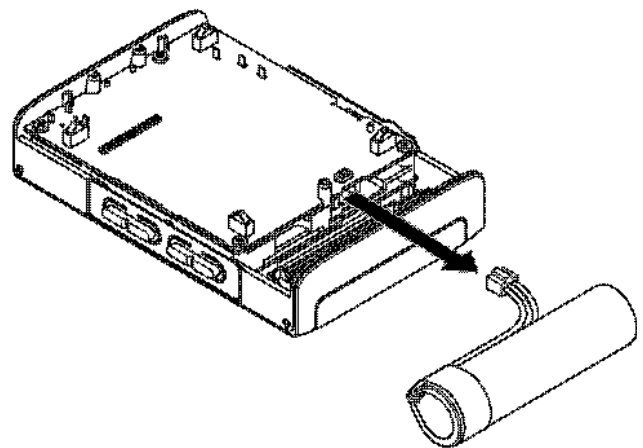
How to remove the rechargeable battery

Before removing the battery, turn the unit power switch ON and drain the battery until it ceases to function. (Set the **AUTO OFF** function to **OFF**. See “Automatic power off” on page 22.)

1 Remove the four side screws and remove the upper case.



2 Remove the battery from the unit and detach the connector.



14 – Specifications

Rated audio input and output

Bass Input	Standard phone jack (mono, unbalanced)
Input impedance	1 M Ω
Maximum input level	+10 dBV
Headroom	10 dB
Phones/Line Out	1/8" (3.5 mm) stereo jack
Maximum output	20 mW + 20 mW (with 32 Ω headphones connected)

Audio performance

Frequency characteristics	20 – 20,000 Hz +1/-3 dB (Bass Input > Phones/Line Out)
Total Harmonic Distortion	<0.05% (Bass Input > Phones/Line Out)
S/N ratio (Line Out)	>90 dB (0 dBV)

Other specifications

MP3 file support	Bit rate	32–320 kbps
	Sampling frequency	44.1 kHz
	VBR files	Supported
	ID3 tag display	Up to Ver 2.4
Note that loop playback IN and OUT points may not always set correctly for VBR MP3 files.		
Memory medium	Built-in flash memory (1 GB)	
File system	FAT16 (recognizes a maximum combined total of 550 files and folders)	
Built-in lithium ion battery	3.7V DC	
Power consumption	About 1.5 W (during MP3 playback)	
Dimensions (W x H x D)	78 x 110 x 25.5 mm (3.1 x 4.3 x 1 inches) excluding protrusions	
Weight (including lithium ion battery)	220 g (7.8 ounces)	
Accessory (sold separately)	AC adapter (PS-P520)	

Minimum computer requirements

Windows PC	Windows 2000, XP
	300 MHz Pentium
	128 MB memory
	USB port with 500 mA bus power (USB 2.0 recommended)
Macintosh	Mac OS 10.2 or later
	266 MHz Power PC (including iMacs, G3 and G4 processors)
	64 MB memory
	USB port with 500 mA bus power (USB 2.0 recommended)
Recommended	USB host controller, Intel chipset

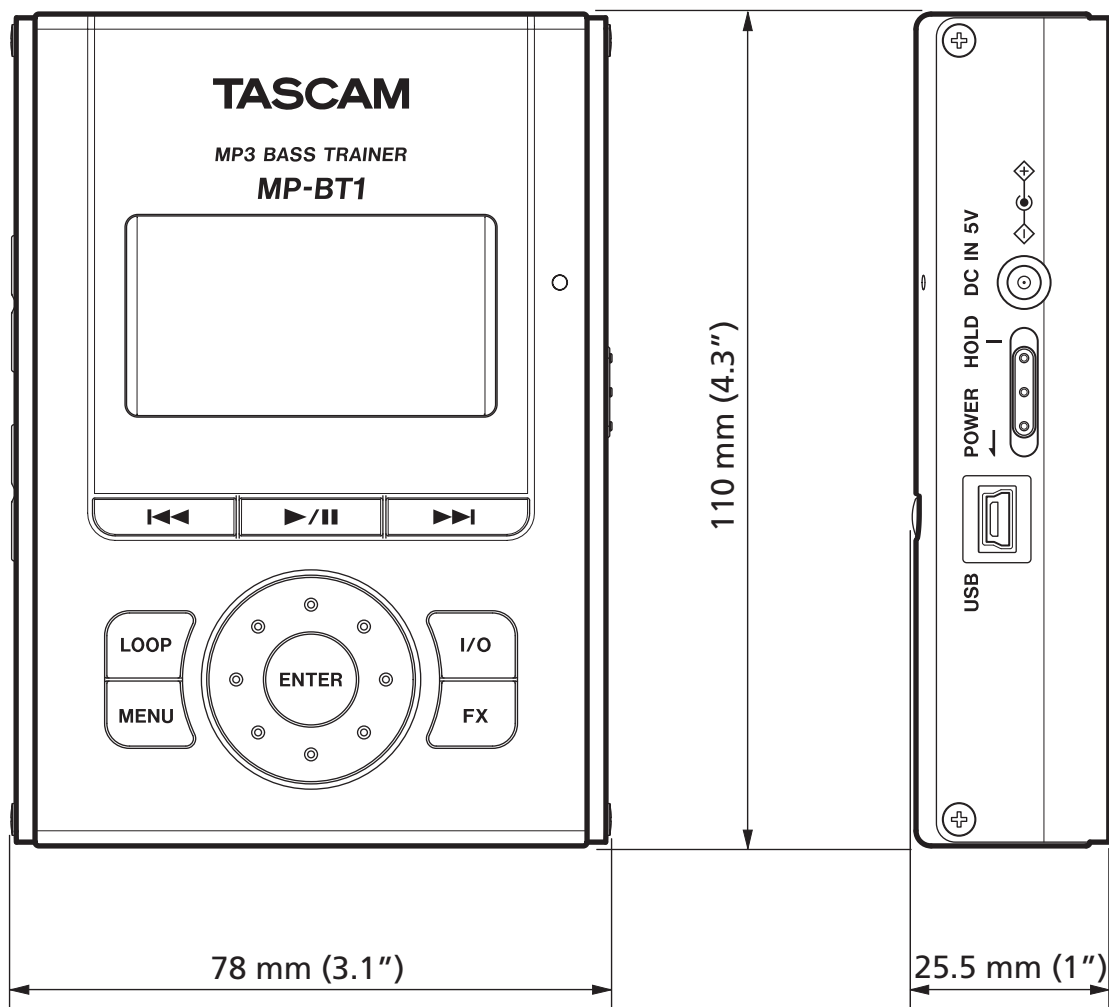
14 – Specifications

Stored settings

The following settings are saved when the MP-BT1 power is turned OFF. They are the same when the power is turned ON again.

- EFFECT settings
- TUNER settings
- METRONOME settings
- PB CONTROL settings
- Loop playback ON/OFF status
- Loop IN and OUT point settings
- Playback mode
- Mix balance
- Auto power OFF setting
- Currently active track
- Output volume settings
- Backlight OFF Setting

Dimensions



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