

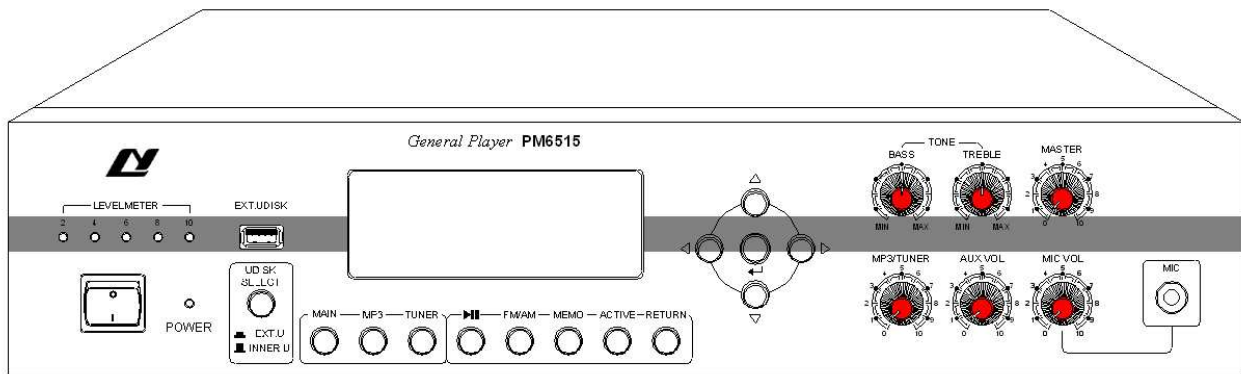


LY INTERNATIONAL ELECTRONICS

Public Address System

General Player

PM6515



User's Manual

Welcome to use our Public Address System. For better use of this product, please read the manual carefully before operation

Precautions for Installation

1. Do not block the vent.
2. Do not use the system in case of damage to the power cord.
3. The power socket shall be compatible with the power plug.
4. Do not use the power amplifier in a poorly ventilated, dusty or wet place, nor expose it to direct sunlight. Always keep away from heat source. Never apply vibration to the power amplifier.

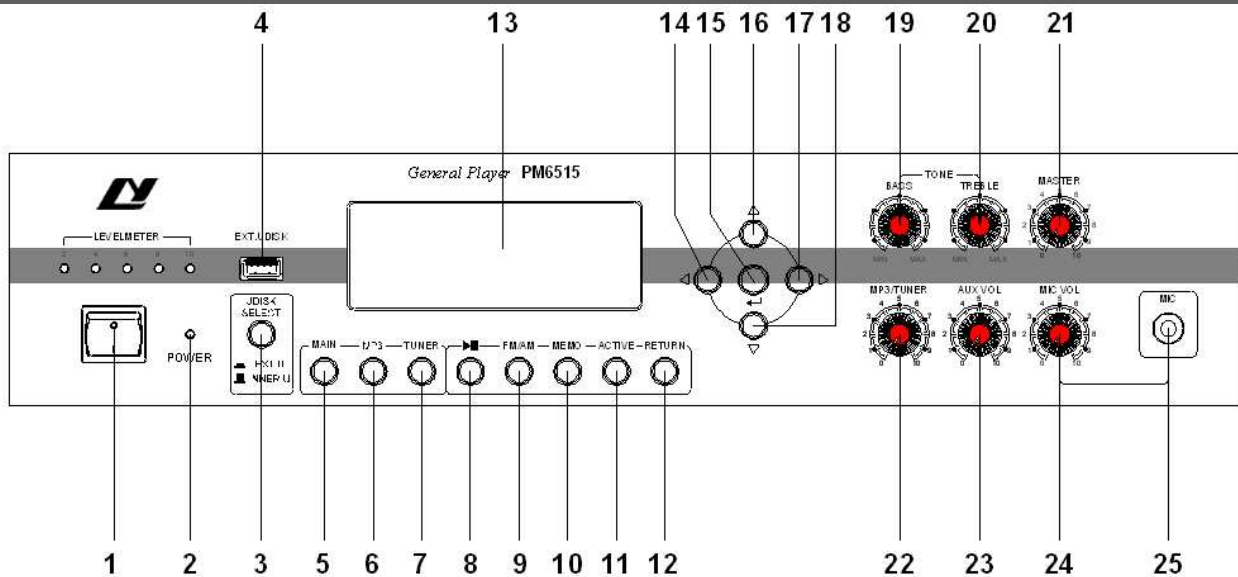
Performance and Characteristics

- The power amplifier is with built-in MP3 player, radio and timer.
- LCD display and full automatic touch control.
- With a MP3 program memory of 1G inside and a USB interface which can be connected to the external MP3 program memory.
- With an in-built tuner having the function of selecting AM/FM wave bands.
- 1 channel of LINE IN, 1 channel of MIC IN and 1 channel of LINE OUT.
- Independent volume control, independent auxiliary input volume control and total output volume control can be carried out through MP3/tuner.
- Runs programs through timing programming and has a operation mode with multi-level menus.
- Timing programming is carried out for operation, up to 100 timing points can be compiled through programming in one day, and times and programs will not be lost in case of power failure.
- One AC220V power output socket for programmer-controlled timing and a short-circuit output interface.
- Play MP3 and in-built tuner in fixed time through programming control.
- Output with a constant voltage of 100V.
- Mute function available for the microphone facilitates playing by priority.

Precautions for MP3 Operation!

- 1 Be sure to stop playing programs before switching between programs in in-built U-disk and external U-disk, so as to avoid system disorder.
- 2 Be sure to stop playing the program before unplugging the U-disk.
- 3 Be sure to close the power switch of the equipment before plugging or unplugging the power cord.
- 4 The equipment can only be started 10s later after closing the power switch, so as to prevent the situation that the player cannot read data in the U-disk. If the U-disk data cannot be read in normal playing status, close power switch and restart the equipment after 10 s.
- 5 The MP3 player only supports the third-layer MP3 file format.
- 6 Each directory of the U-disk can store maximum 99 MP3 songs.

Introductions for Functions of Keys in the Front Panel



- 1 Power Switch** 33
 Press the “I” position to turn on the power, and press the “O” position to close the power. 35
- 2 Power Indicator Light** 36
 The indicator light will be on when turning on the power, and will be off when turning off the power. 37
- 3 Selection Key for in-built MP3 memory or external USB interface.** 39
 Press this key to select MP3 programs in the external USB interface, and bounce this key to select programs in the in-built MP3 memory. 42
- 4 USB Interface** 43
 It is used to connect the external MP3 program memory, and can be connected common disk, and mobile HDD. It should be used in combination with pressing keys as specified in (3). 47
- 5 Selection Keys Displayed in the Main Interface** 48
 Press selection keys under any menu, and the main interface as shown below will appear: 50
- Power: On Program-controlled startup Sound source: radio

Mon. 10:06:36

Next timing point: Tue 08:00:00
- 6 Selection key in MP3 playing mode** 56
 Press this key to switch to MP3 playing mode in any menu interface. 58

- 7 Selection key in radio playing mode**
 Press this key to switch to radio in any menu interface.
- 8 Play/Pause/ Mute Key**
 This key is used to play or make a pause in MP3 player mode, and is used to mute in radio mode.
- 9 Switch-Over of AM/FM Bands**
 It is used to switch between FM/AM bands.
- 10 Save Channel**
 It is used to save radio channels that have been searched out in radio mode for playing call.
- 11 Manual**
 Off/on status of the timing power supply output is controlled manually. The output power supply indication at the upper left corner in the main interface will flash, and the program control of the equipment will end, which means that the pre-compiled timing point will not be executed.
- 12 Return to Program Control**
 Press this key to keep the equipment in the program-controlled status. The output power supply indication at the upper left corner in the main interface will not flash, and the equipment will be in the program-controlled status. Prompt: Be sure to press the Key of “Return to Program Control” to make the equipment in the program-controlled status after manually controlling the output power, or else

the timing point will be not executed.	26
13 LCD Display Screen	27
The screen can display all functional operation statuses.	28
14 Operation Options Moving Key	30
Press this key to move the selection cursor by moving the operation key in a reversal way.	31
15 OK Key	32
Press this key during various operations to confirm the current operation or to enter the next menu for operation.	33
16 Number Upward Key	34
Press this key to increase the number for operation concerning number adjustment, e.g. press the key to increase the frequency in radio mode, or to select the next program in MP3 mode.	35
17 Move key for operation options	36
Press this key to move the selection cursor to move the operation key in a forward way.	37
18 Number downward key.	38
Press this key to reduce the number for operation concerning number adjustment, e.g. press the key to reduce the frequency in radio mode, or to select the previous program in MP3 mode.	39
19 Bass knob	40
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This knob is used to adjust the bass, which is turned clockwise or counterclockwise to increase or reduce the bass.

20 High Volume Adjusting Knob

This knob is used to adjust high pitch: the high volume will be raised by adjusting clockwise and will be lowered by adjusting anti-clockwise.

21 Total Volume Adjusting Knob

This knob is used to adjust the output volume of the power amplifier. When this volume is turned off, no sound is output while other volumes are adjusted to the highest.

22 MP3/Radio Volume Adjusting Knob

This knob is used to adjust the volume of MP3/radio. When the volume is turned off, no sound is output in MP3/Radio mode.

23 Auxiliary Volume Adjusting Knob

This knob is used to adjust the volume of auxiliary input signal.

24 MIC Volume Adjusting Knob

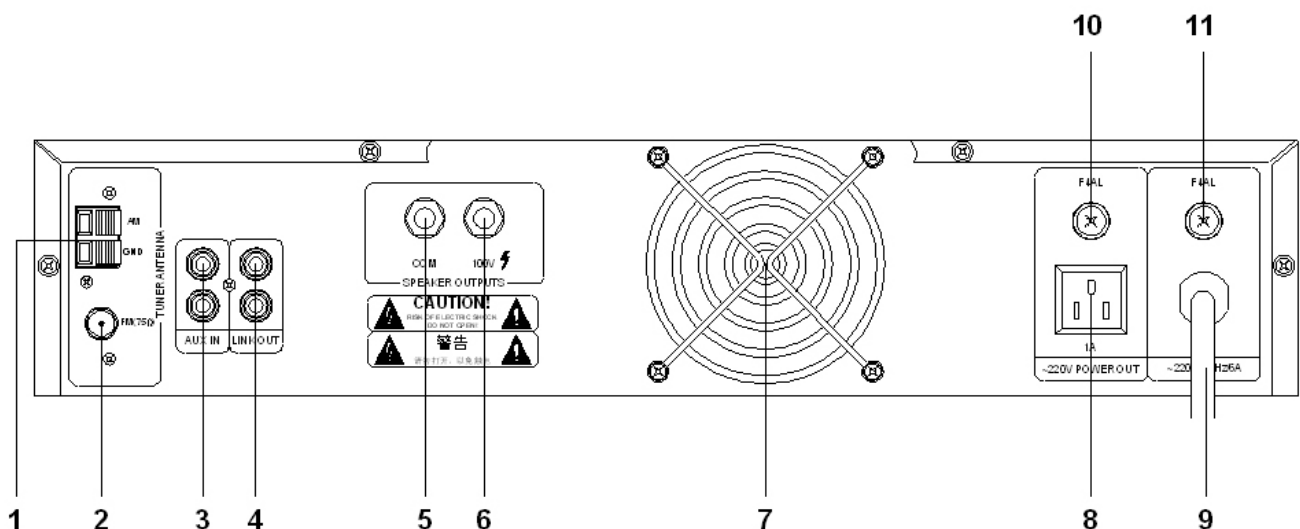
It is used to adjust the volume of MIC interface signal.

25 MIC Interface

It is used to connect the microphone, and the MIC interface has the priority for output.

Note: Five indicator lights of the output level meter up for a long time means that there is a overload distortion, so relevant volume knobs should be adjusted to make the fourth or fifth indicator light flash.

Rear Panel



1. AM antenna	20
Connect the AM antenna. Please note the ground terminal during connecting.	21
2. FM Antenna	22
Connect the FM Antenna.	23
3 Auxiliary Input Interface	24
This interface is used to connect to an audio source, such as a CD player, tuner and cassette.	25
4 Auxiliary Output Interface	26
This interface is used to connect to a power amplifier or other monitoring equipment.	27
5. Power Amplifier Output Common Terminal	28
This terminal block is a 100 V output common terminal of the power amplifier, which is connected to the cooling end of constant-voltage speaker box (with line output transformer).	29
6 Power amplifier output HOT terminal	30
This terminal block is a 100 V output Hot terminal of the power amplifier, which is connected to the hot end	31

of constant-voltage speaker box (with line output transformer).

7 Fan Vent

It is used to radiate heat for the power amplifier.

8 AC220V Power Output Socket

It is used to provide AC 220V power supply for other equipment, and this interface is controlled by the timing programming.

9 AC220V Power Cord

It is used to connect the power generating facilities and power grids, and provide operational power supply (OPS) for this machine.

10 AC220V Output Mains Fuse

In case of damage, such fuse shall be replaced with a new one of the same specification.

11 AC220V Mains Fuse of this Machine

In case of damage, such fuse shall be replaced with a new one of the same specification.

User's Manual

Operational Methods and Interface

1. The interface (referred to as "main interface" in this manual) shown in figure 1 can be entered after starting up, and following operations can be conducting in this interface.

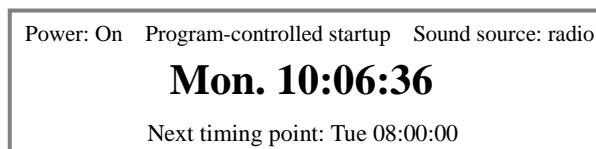


Fig. 1: Main interface

Press the "OK" key to enter the interface of "Operation Setup", as shown in figure 2:

2. Timing points, system time, timing point copy can be set in the interface of "Operation Setup" as shown in figure 2.

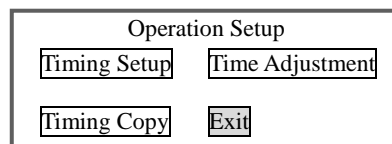


Fig. 2: Operation Setup Interface

Press "◀" or "▶" key to move the selection cursor, select the option to be set, press the "OK" key to enter the corresponding interfaces of "Operation Setup", and press the "Exit" button or the "Main Interface" key to return to the main interface.

3. Press the "MP3" key to enter the operation interface in MP3 playing mode in any level of menu operational interface, as shown in figure 3:

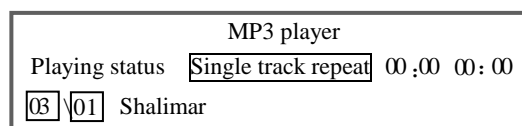


Fig. 3 MP3 Player Interface

Following operations can be carried out in this interface:

- ① Press the " ▲ " or " ▼ " to select the previous or the next track.
 - ② Press the " ◀ " or " ▶ " to move the selection cursor to select operational options among "Cyclic Mode", "Catalog Selection" and "Track Selection", press the "OK" key after selecting one, and adjust the operation with " ▲ " or " ▼ " key. Press the "OK" key after the adjustment is completed.
 - ③ Press the "Play/Pause" key to play an MP3 track or make a pause.
 - ④ Press the "Main Interface" key. Or press any "Zone" key to return to the main interface.
4. Press the "Radio" key in any menu operation interface to access the "AM/FM Tuner" operation interface as shown in Fig. 4.

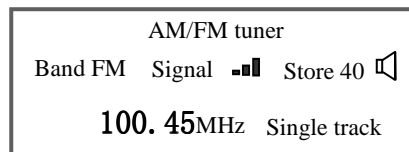


Fig. 4 Operation Interface of AM/FM Tuner

Following operations can be performed in this interface:

- ① Press the "◀" or "▶" key to call downward or upward saved channels;
 - ② Press the "▲" or "▼" key to conduct fine tuning operation. Press and hold the key for 2 seconds to automatically search radio channels, which will be automatically stopped after a channel is searched out.
 - ③ Press the "AM/FM" key to switch between the AM and FM bands.
 - ④ To store a radio station tuned, press the "Save" key, and the current radio channel storage number will start flashing. Press the "◀" or "▶" key to move the cursor downwards or upwards to select the storage number of channel to be stored, press the "Save" key, and the number is successfully saved when the storage number stops flashing.
 - ⑤ Press the "Play/Pause" key to mute the radio, and press it again to de-mute.
 - ⑥ Press the "Main" Interface key or any "Zone" key to return to the main interface.
5. Select the "Timing Setup" option in the "Operation Setup" interface, and press the "Ok" key to access the "Timing Setup" interface as shown in Fig. 5.

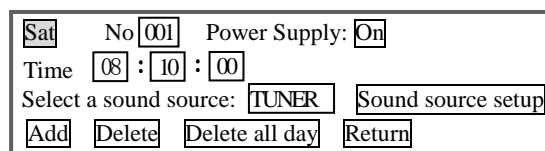


Fig. 5: Timing Setup Interface

The information of each timing point can be edited in this interface, move the selection cursor to select the option to be edited, press the "OK" key set up the information of the timing point with up and down numeric keys, and press the "OK" key for confirmation. Conduct music setup in the following interface from the Timing Setup interface:

- ① If the MP3 sound resource is selected for the timing point, press the option of "Sound Source" to access the interface of "MP3 Timing Setup", press the "◀" or "▶" key to move the cursor, press the "▲" or "▼" key to adjust the setup, and press the "OK" key for confirmation, as shown in figure 7:

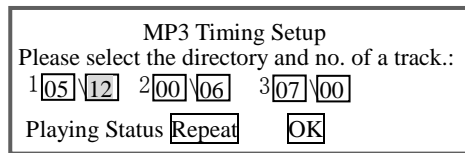


Fig. 7: MP3 Timing Setup Interface

- ② If the Tuner sound source is selected for the timing point, press the option of “Sound Source” to access the interface of “Radio Timing Setup”, press the “◀” or “▶” key to move the cursor, press the “▲” or “▼” key to adjust the setup, and press the “OK” key for confirmation, as shown in figure 8:

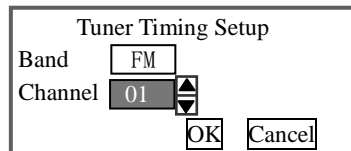


Fig. 8: Radio Timing Setup Interface

The “Stop” in the sound source options indicates that the equipment will stop playing the program of the previous timing point when this timing point is coming, i.e. the equipment will stop playing programs.

6. Select the “Time Adjustment” option in the “Operation setup” interface, press the "OK" key to access the "Copy Timing" interface, press the “◀” or “▶” key to move the cursor, press the “▲” or “▼” to adjust the setup, and press the “Ok” key for confirmation, As shown in figure 9:

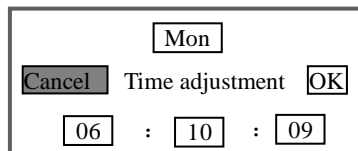


Fig. 9: Time Adjustment Interface

7. Select the “Copy Timing” option in the “Operation Setup” interface, press the “OK” key to access the “Copy Timing” interface as shown in figure 10, adjust the date of timing point to be copied, such as to adjust it to Monday, press the cursor to select the date of timing point to be copied and press the “OK” key (the date will be selected if a “✓” symbol appears after the number), then press the “OK” option to finish the copy.

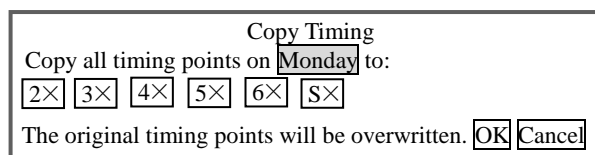


Fig. 10: Copy Timing Interface

8. MIC Using

Turn down the volume before plugging the microphone plug.

Plug a 6.35 mm microphone plug into the microphone jack and adjust the volume by tuning the Total Volume knob and the MIC Volume knob, and the volume should not be turned too high.

The microphone has an override function which enables the microphone to have the highest priority no matter which sound source is being used, and this function is applicable to forcedly insert emergency or paging broadcast.

9. External Sound Source

To use other external sound sources, connect the sound source equipment from the AUX IN interface in the back panel, and adjust the “Auxiliary Volume” knob to obtain an appropriate volume.

Precautions in Operation

1. Precautions for Safe Operation

- Do not insert the power plug of this equipment into the power grid before the system wiring is not well established.
- Ensure that the input voltage is completely consistent with the voltage requirements specified for this equipment to avoid a risk of burnout to the equipment.
- Never open the casing so as to avoid electric shock, because dangerous voltage inside the casing is enough to cause an electric shock to personnel.
- Always disconnect the power plug from the mains when this equipment is not used, because this machine is not disconnected from the grid mains even when the power switch is turned to the “off” position.
- Do not leave the equipment in a too hot or too cold place.
- Keep the equipment well ventilated to avoid damage to the equipment due to excessively high temperature.
- Disconnect the power plug if the air is moist or the equipment is not used for a long period.
- Remove the power plug from the outlet to disconnect the console from the power grid before removing or reinstalling any part, or disconnecting or reconnecting any plug or cable.
- Do not open the casing for maintenance without permission of unauthorized personnel in case of equipment failure, so as to avoid an accident or further damage to the equipment.
- Never place any corrosive chemicals near or on the equipment.

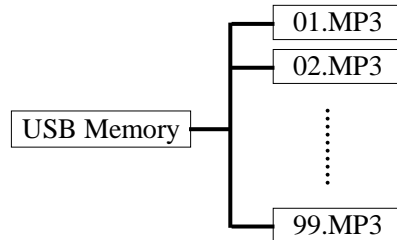
2. Precautions for After Service

- Our company will provide a three-year charge-free warranty service (including replacement of parts for free) from the date of purchasing provided that the product is installed and operated as specified.
- For repair, the user should represent the Warranty copy saved by customer and sales invoice.
- The Warranty is invalid in case that:
 - (1) The product is damaged due to incorrect installation, use or handling;
 - (2) The product is damaged due to abnormal conditions (e.g. high mains voltage or high humidity);
 - (3) The product is damaged due to natural and man-made calamities,
 - (4) The number on product body is modified, altered or removed;
 - (5) The product has been modified or repaired by an unauthorized person.
- Please keep the User’s Manual and Warranty well.
- For problems or precautions not mentioned in this manual, please contact our distributor or visit our site at <http://www.lyintlcorp.com>.
- Please contact our service personnel (or distributor) in case of failure within the warranty period. We will take no responsibility in case that the product is disassembled or repaired by yourself or person who is not our technical personnel.

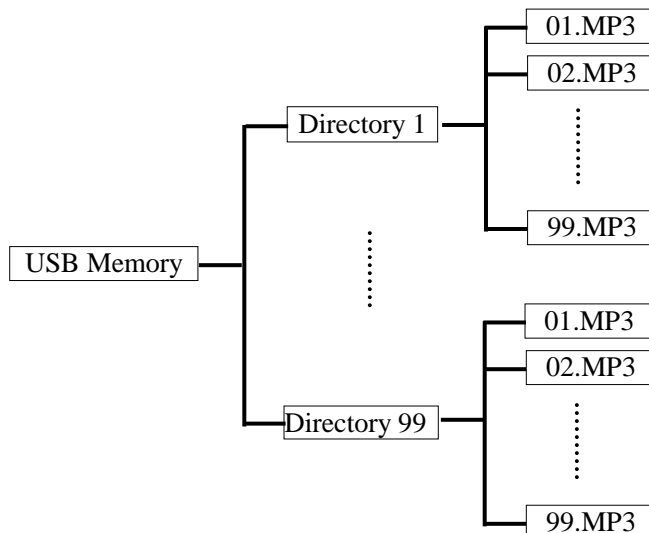
※ Application of File Format of USB Disk:

1. Due to rapid development of U-disks and various memories in the market as well as complicated and messy conditions of U-disks in the market, this product may be unable to be compatible with U-disks of all brands, models and specifications in the market. This system only supports the MP3 file format, with maximum bit rate of 320kbps. Audio files in non-MP3 format cannot be played. In case that a track cannot be played, check whether it is in accordance with the abovementioned requirement.
2. Supports FAT12, FAT16 and FAT32 file system.
3. To improve the operation speed and optimize management, it is recommended that the U-disk or mobile HDD used only store .MP3 files other than files in other formats, so as to increase access speed and facilitate timing point compiling.
4. Maximum 99 primary directories can be created in the root directory in this system, in each of which maximum 99 tracks can be stored. Also, maximum 99 tracks can be also stored in the root directory. It is necessary not to create a secondary directory in a primary directory; otherwise, tracks in the secondary directory cannot be read. Tracks can be stored in a USB disk by three methods as follows:
 - Create no directory, and store all tracks in the root directory. This method facilitates track selection, but only 99 tracks can be stored.

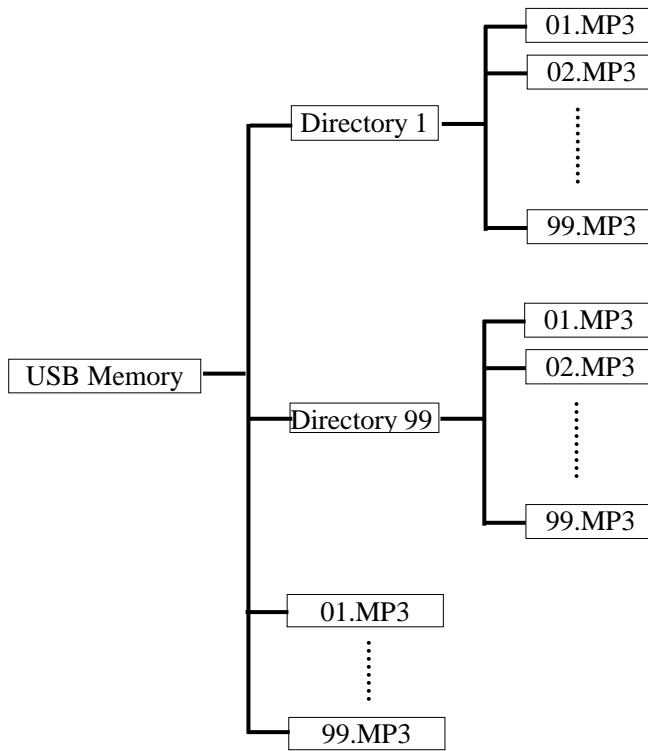
Note: To select a track in the root directory, the no. 00 directory should be selected during directory selection.



- Store all tracks in the primary directories. By this method, tracks can be stored by classification, and maximum 99x99 tracks can be stored.



- Store tracks in both the root and primary directories, and maximum $99+99 \times 99$ tracks can be stored.



Performance and Specifications

Model	PM6515
Rated Output	150W
Output Regulation	<5% from full load to no load
Output Type	Output with a constant voltage of 100V.
Auxiliary Output	100Ω, 1V (0dBV)
Input	MIC: 600Ω; 3mV (±10%)
	AUX: 10kΩ, 300mV (±10%), unbalanced
Frequency Response	MIC: 100Hz-10kHz; AUX: 60Hz-20kHz
Harmonic Distortion	<0.5% (1kHz, 1/3 rated power)
Signal-to-Noise Ratio	MIC: 70dB
	AUX: 80dB
Tone Adjustment	Bass: ±10dB (100Hz)
	Treble: ±10dB (10kHz)
Protection	AC fuse, DC output protection, and overload protection
Mute Function	MIC1 inputs can override other inputs (attenuate from 0 to -30dB)
Power Supply	AC220-240V/50-60Hz
Power Consumption	220W
Dimensions (mm)	420×400×132

Specifications are subject to change without further notice.