

NEWHANK

QUALITY AV PRODUCTS

PLAYMATE

PROFESSIONAL STEREO 19" MIXER, USB/SD CARD AND
BLUETOOTH PLAYER



User Guide and Reference Manual

INTRODUCTION

Congratulations and thank you for purchasing the NewHank Playmate mixer.

This mixer is a representation of NewHank's continuing commitment to produce the best and highest quality audio products possible at an affordable price-point.

Please carefully read and understand the instructions in this manual thoroughly before attempting to operate this unit.

These instructions contain important safety information regarding the use and maintenance of this unit.

Take special care to follow all warning symbols and labels both on the unit and printed in this manual.

Please keep this manual with the unit, for future reference.

Do not discard the packing carton in the trash. Please recycle whenever possible.

KEY FEATURES

- 2 Phono/4 Aux, 4 Line and 3 Mic Inputs
- USB/SD Audio Player (32GB Max)
- Bluetooth audio connectivity to Media Player
- High output to headphones
- Assignable crossfader section
- Master output both on balanced XLR and RCA
- Microphone Gain , Treble and Bass Control
- Split Cue Monitoring
- Jack Input for Mp3 Players (3.5mm Plug)
- Player reads both WAV and MP3 file formats
- All, Random and Single Play function
- PFL assign to headphone and RCA output
- 3 band EQ on line input channels
- Stereo Master Balance Control
- Adjustable individual ZONE Output
- Extremely clean signal to noise ratio

GETTING STARTED THE BASIC PRINCIPLES

1. Study the diagrams on page 4, 5 and 6.
3. Make sure all devices are turned off and all faders, zone and gain rotary's are set to "zero".
4. Connect all your stereo input sources as indicated in Figure 3 on page 7.
5. Connect the stereo outputs to power amplifier(s), powered speakers and so on.
6. Plug all devices into AC power.
7. Always switch your system on in the following sequence:
 1. Audio input sources (like DVD- CD Players, Tuners etc).
 2. Mixer.
 3. Amplifiers, Powered speakers etc.Always switch your system off in reverse sequence:
 1. Amplifiers, Powered speakers etc.
 2. Mixer.
 3. Audio input sources (like DVD- CD Players, Tuners etc).

GAIN ADJUSTMENT

1. Select the Input source (2) and channel while your connected audio device is in playback mode.
2. Engage the Master/PFL (8).
3. While still keeping the channel, master and zone rotary's in "zero" position, now engage the "PFL" (3) of the corresponding channel.
4. Adjust the gain rotary till you see the input level in the blue area of the VU-meter bar reading on average between - 7 and - 2 dB.
5. Adjust the channel fader to 75% open.
6. Finally adjust the master fader to the find the desired room level.
7. Repeat these steps for all line input channels.

SAFETY WARNING

*When installing this mixer, please make sure that the device is not exposed or will not be exposed to extreme heat, moisture or dust.

*Do not operate the mixer in extremely hot (more than 40°C /104°F) or extremely cold (less than 5°C/40°F) surroundings.

*Keep the unit out of direct sunlight and away from heaters and water.

*Operate the mixer only after becoming familiar with its functions.

*Do not attempt to operate this mixer if the power cord has been damaged.

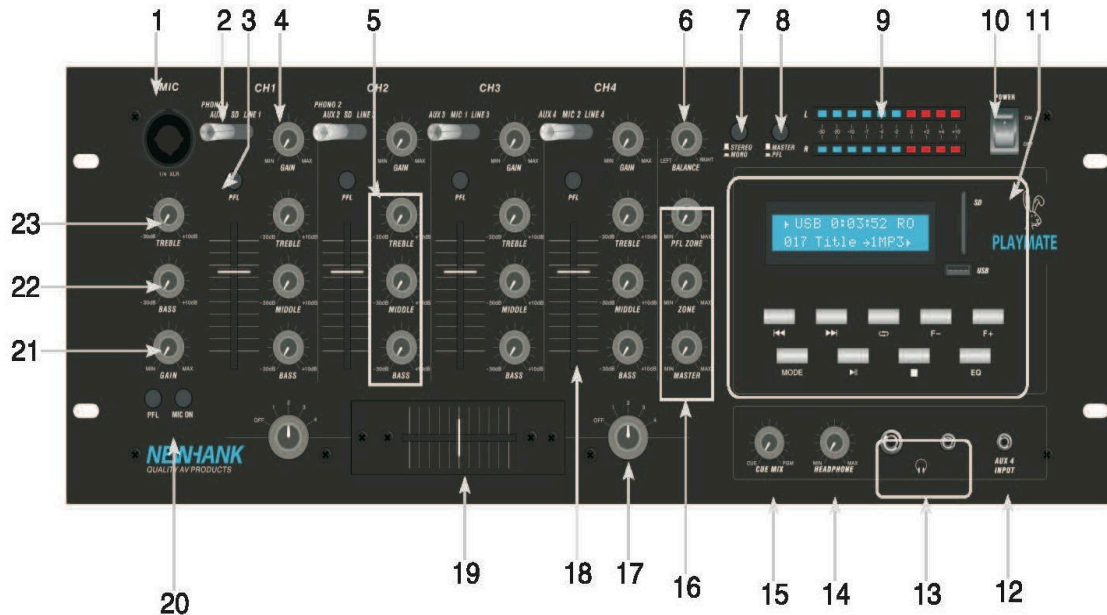
*Never operate this mixer when the covers is removed.

*To reduce the risk of electrical shock or fire, do not expose this mixer to rain or moisture.

*During long periods of non-use, disconnect the mixer' s main power.

FACE PANEL FUNCTIONS

Figure 1

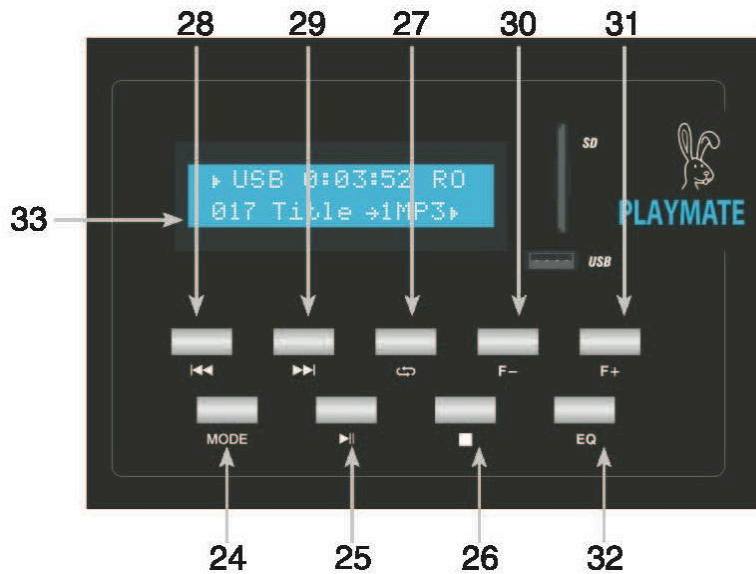


1. **MIC INPUT**-- Connect a microphone to this COMBO input that accepts either an XLR or a 1/4" Jack connector.
2. **INPUT SELECTOR** --Selects the input source to be routed to the corresponding channel. Inputs are located on the rear panel.
3. **PFL** -- Sends pre-fader, post -EQ audio of the corresponding channel to the headphone monitoring section and also the VU meters and RCA output when (8) is engaged.
4. **CHANNEL GAIN** --Adjusts the corresponding channel pre-fader and pre-EQ gain level.
5. **CHANNEL EQ SECTION:** CHANNEL TREBLE --Adjusts the high (treble) frequencies of the audio on the corresponding channel. CHANNEL MID --Adjusts the mid-range frequencies of the audio on the corresponding channel. CHANNEL BASS -- Adjusts the low (bass) frequencies of the audio on the corresponding channel.
6. **BALANCE** --Adjusts your left to right balance on both the RCA and XLR Master outputs.
7. **STEREO / MONO** -- When engaged your main master output will be MONO.
8. **MASTER/PFL** --When engaged you see the pre fader cue signal(s) on the VU Meters. When raised you see the post fader Master signal on the VU Meters.
9. **LED VU METERS** --can indicate either the master output or cue channel input levels, depending on the position of the MASTER PFL switch (8).
10. **POWER SWITCH** -- This is the main power ON/OFF switch. Before you turn the power on be sure you have made all connections to the mixer. Also be sure your amplifiers are turned off. Remember mixer on first and turned off last.
11. **SD PLAYER & LCD** -- This is the USB/SD Player, Controls, and LCD. The player and LCD will be explained on page 6.

12. **AUX 4 INPUT JACK** --This Stereo 3.5MM input. Volume will be controlled by the channel four fader. The channel INPUT SELECTOR SWITCH (2) must be in the "Aux 4" position.
13. **HEADPHONES** --Connect your headphones (6.3 and 3.5mm) to this output for cueing and mixing.
14. **CUE GAIN** --Adjusts the audio level of the headphones.
15. **CUE BLEND** -- Slide this to mix the Cue channel and Program mix in the headphones. When all the way to the left, only channels routed to the Cue channel will be heard. When all the way right, only the Program mix will be heard.
16. **OUTPUT CONTROLS:** **PFL ZONE** --Adjusts the PFL ZONE output volume on RCA.
ZONE --Is a second and adjustable stereo Master output.
MASTER --Adjusts the main master output volume.
17. **CROSSFADER ASSIGN** -- Enables you to route 1 of 4 channels via the cross fader. Now you can use 1 fader to simply mix 2 channels.
18. **CHANNEL FADER** --Adjusts the audio level on the corresponding channel.
19. **CROSSFADER** --Blends audio between the channels assigned to the left and right side of the cross fader. This part is user replaceable.
20. **MIC ON/OFF** --Turns the dedicated microphone input on or off.
21. **MIC GAIN** --Adjusts the audio level of the microphone signal.
22. **MIC BASS** --Adjusts the low (bass) frequencies of the microphone channel.
23. **MIC TREBLE** -- Adjusts the high (treble) frequencies of the microphone channel.

SD PLAYER- CONTROLS AND FUNCTIONS

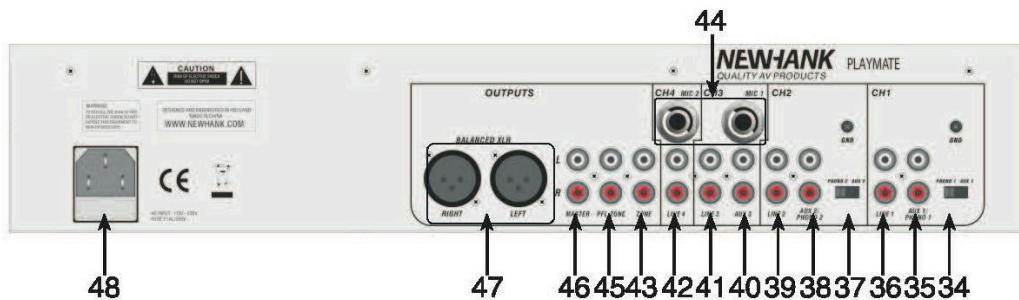
Figure 2



24. **MODE** -- Mode is the source switching key, the unit can play from USB, SD and BLUETOOTH sources.
25. **Play/Pause** -- Press this button briefly during play to pause play, then press the button again to stop the pausing mode and resume play.
26. **Stop** -- Press this button briefly during play to stop the track from being played.
27. **Repeat** -- Press this button briefly to repeat a single song, all songs or random play (shuffle) the songs.
28. **Previous Track** -- Press this button briefly during play to play the previous track.
29. **Next Track** -- Press this button briefly during play to play the next track.
30. **F-** -- Press this button briefly to browse to the previous folder.
31. **F+** -- Press this button briefly to browse to the next folder.
32. **EQ** -- Press this button to change the EQ settings of the Player.
33. **SCREEN** -- LCD Displaying Removable Media, Time Track and Title

REAR PANEL CONNECTIONS

Figure 3



- 34. CHANNEL 1: PHONO 1/AUX 1 SWITCH** --This switch presets this input to phono or line level.
- 35. CHANNEL 1: PHONO 1/AUX 1 INPUT** – Turntables, CD players, Tape decks or other line level sources can be connected to these jacks. The red colored RCA jack represents the right channel input and the white jack the left channel input.
- 36. CHANNEL 1: LINE 1 INPUT** --Do not connect turntable's to these jacks. CD players, Tape decks or other line level sources may be connected. The red colored RCA jack represents the right channel input and the white jack the left channel input.
- 37. CHANNEL 2: PHONO 2/AUX 2 SWITCH** -- This switch presets this input to phono or line level.
- 38. CHANNEL 2: PHONO 2/AUX 2 INPUT** -- Turntables, CD players, Tape Decks or other line level sources can be connected.
- 39. CHANNEL 2: LINE 2 INPUT** --Do not connect turntable's to these jacks. CD players, Tape decks or other line level sources can be connected to these jacks.
- 40. CHANNEL 3: AUX 3 INPUT** -- Do not connect turntable s to these jacks. CD players, Tape decks or other line level sources can be connected here.
- 41. CHANNEL 3: LINE 3 INPUT** --Do not connect turntable's to these jacks. CD players, Tape Decks or other line level sources may be connected to these jacks. The red colored RCA jack represents the right channel input and the white the left channel input.
- 42. CHANNEL 4: LINE INPUT** --Do not connect turntable's to these jacks. CD players, Tape decks or other line level sources can be connected to these jacks.
- 43. CHANNEL 3: LINE 3 INPUT JACKS** --Do not connect turntables to these jacks! CD players, Tape Decks and other line level sources can be connected to these jacks. The red colored RCA jack represents the right channel input and the white the left channel input.
- 44. MIC INPUTS** --Connect microphones to these inputs.
- 45. ZONE LEVEL OUTPUT** -- Use this output signal to drive a booth monitor or separate sound system. The output level for these jacks is controlled by the Zone volume knob(16).
- 46. PFL/ZONE OUTPUT** -- a pre-fader post EQ signal can be send via the PFL buttons (3).
- 47. RCA MASTER OUTPUT** -- Unbalanced stereo output for short cable runs.
- 48. XLR MASTER OUTPUT** -- Balanced stereo output for short and long cable runs.
- 49. IEC POWER SOCKET** -- Connects to mains with the supplied power-cord.

SPECIFICATIONS

Installation:	Place on flat surface or mount in 19" rack.
Power supply:	Single Voltage switch power AC 115-230V-50Hz.
Power consumption:	12W typical, 21W w/ full headphone output.
Operating Temperature:	5 to 35 deg. CC; Humidity: 25 to 85%. (Non-condensing); Storage Temperature: -20 to 60 deg. C
Dimensions:	19" 4he Rack mount, Front 483x177 Rear:434x160MM 81MM (including rubber feet 85MM).

Please Note: All specifications and improvements to and in the design of this unit and its manuals are subject to change at any time without any prior written or published notice.