

User manual

CHECKMATE

NEWHANK
QUALITY AV PRODUCTS



The NewHank CHECKMATE is a professional, compact 1U rack-mountable media player designed for commercial audio environments. It features a built-in FM tuner, USB and SD playback, as well as Bluetooth connectivity, allowing flexible access to a variety of music sources. This unit is perfect for background music systems in retail, hospitality, and education sectors. The CHECKMATE includes both balanced and unbalanced stereo outputs and can be operated via the included IR remote for added convenience.

Key features

- Compact 1U low noise audio design
- USB/SD/FM/Bluetooth media player
- IR remote control included
- Stereo RCA and balanced XLR outputs
- Headphone output with front-panel volume control
- Plays MP3, WMA, FLAC and WAV files
- Multi-source input selection for flexibility
- Supports shuffle play and plays WAV and MP3 files

Safety notice

For your safety, do not attempt to open this device. There are no user-serviceable parts inside, and opening the unit may lead to electric shock or damage. Please refer all servicing needs to qualified service personnel only. Attempting repairs yourself will void any warranty and may compromise the device's performance and safety.

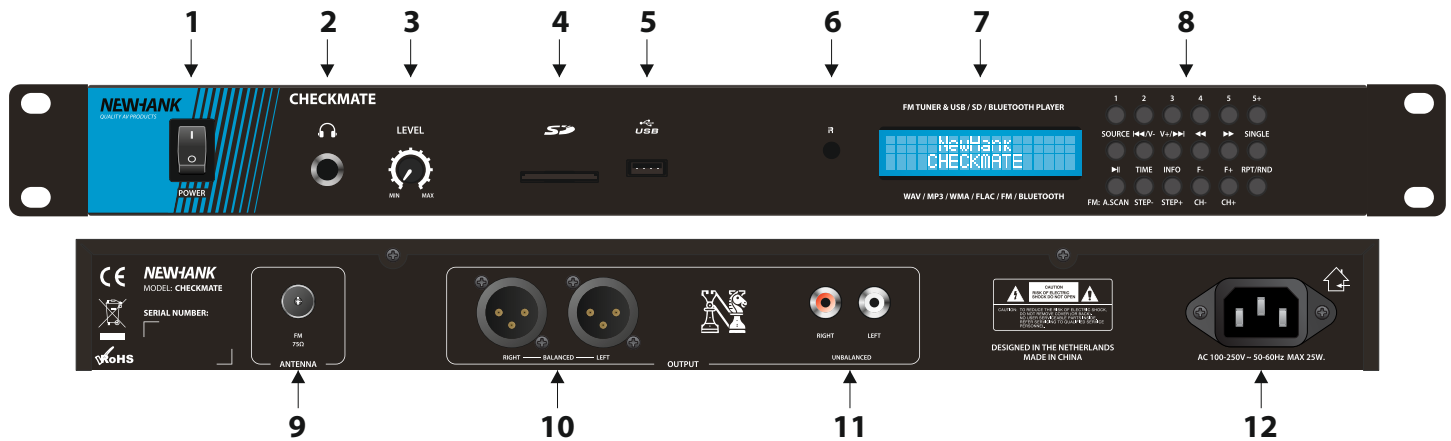
Set-up precautions

Ensure all connections are made before plugging the device into an electrical outlet. Set all volume knobs to their minimum position before powering on. If the device has experienced a sudden increase in environmental temperature, avoid switching it on immediately to prevent internal damage from condensation. Wait until the device reaches room temperature before turning it on.

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Functions and controls



1. **POWER SWITCH** - This is the main power ON/OFF switch.
2. **HEADPHONES OUTPUT**- Accepts a standard 1/4" Stereo Jack.
3. **HEADPHONES LEVEL** - Defines the output volume for the headphones output.
4. **SD CARD SLOT** - This is where you insert a SD card for playback.
5. **USB PORT** - The USB port allows you to insert a USB stick, USB card reader, or compatible external hard drive for playback.
6. **IR RECEIVER** - Receives infrared control signals from the remote control..
7. **DISPLAY** - Displays the status of the audio player.
8. **PLAYER CONTROL BUTTONS:**
 - 1-5+** - Select track number, to select track 8: press 5+, then 3.
 - SOURCE** - Changes mode between USB/SD, FM or Bluetooth.
 - V-/V+** - Previous track, hold to lower output volume.
 - V+/V+** - Next track, hold to increase output volume.
 - ◀◀** - Rewind search.
 - ▶▶** - Forward search.
 - SINGLE** - Enable single mode: after each track unit stops.
 - ▶||** - Play/Pauze. In FM mode this button triggers auto scan.
 - TIME** - Switches between elapsed and remaining time display. In FM mode this button decreases the tuned in frequency.
 - INFO** - If available, displays track name on the display. In FM mode this button increases the tuned in frequency.
 - F-** - Selects the previous folder on the storage. In FM mode this button switches to the previous station on the frequency.
 - F+** - Selects the next folder on the storage. In FM mode this button switches to the next station on the frequency.
 - RPT/RND** - Switches between random play mode, repeat or off.

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9. **FM ANTENNA CONNECTOR** - Connect the external FM antenna here.
10. **BALANCED XLR MASTER OUTPUT** - The 3-pin XLR outputs supplies a balanced output signal. Use this connection when driving an amplifier or other audio equipment with balanced inputs or when running a signal line greater than 5 meter.
11. **UNBALANCED RCA MASTER OUTPUT** - The RCA outputs supplies an unbalanced output signal, red is right and white is left channel.
12. **AC CONNECTION** - This connector supplies the main power to the unit via the included detachable power cord. The power connection uses an IEC-type connector. Use only a power cord that matches this type of connection. Be sure to connect the unit to a power outlet that matches the voltage label on the unit. Never use a power cord with a broken or removed ground contact. The ground contact reduces the risk of electrical shock in case of a short.

General specifications

Frequency response	20Hz - 20kHz
Singal-to-noise Ratio	> 95dB
THD+N	< 0.01%
Power supply	90-260VAC, 50/60Hz
Power consumption	15 Watt
Weight	2kg; 4.4lbs
Supported file formats	
MP3	44.1 and 48kHz, up to 320kBps
WMA	44.1 and 48kHz, up to 320kBps, WMA Codec V1 and V2
FLAC	8 to 192KHz, 16 to 24 Bit
WAV	44.1 and 48kHz, 8 to 16 bit PCM
Bluetooth version	5.3

For latest product information, visit our website:

www.newhank.com