

- Integrated Active Noise Canceling System<sup>12</sup>
- 4GB Built-in Memory<sup>1</sup> /Stores up to 925 Songs<sup>2</sup> or 15H of video<sup>5</sup>
- High quality video playback at 30 frames per second
- Battery Life: Up to 33 hours of audio<sup>7</sup> playback and up to 8 hours of video<sup>8</sup> playback
- 1.8" QVGA LCD Screen<sup>9</sup>
- Portrait and Landscape Mode for Easy Viewing of Video and Photos
- Compatible with Secure Windows Media Audio<sup>3</sup>
- Multi Audio Codec Support - WMA/MP3/AAC<sup>3</sup>
- 5 Clear Audio Technologies
- FM Tuner with 30 Station Presets
- Time Machine Shuffle<sup>11</sup>
- Initial Search
- Portrait and Landscape Mode
- Noise Canceling EX Series Headphones (included)



## Features

- Integrated Active Noise Canceling System<sup>12</sup> Combining Clear Stereo function with the Clear Bass function and using the supplied Noise Canceling headphones with a 13.5 headphone driver unit enables a wide-range frequency and wide dynamic-range playback with powerful bass sound.
- 4GB Built-in Memory<sup>1</sup> Store up to 925 songs<sup>2</sup> or up to 15H of video<sup>5</sup> on your Walkman® Video MP3 player and never be without your entertainment again.
- High Quality Video Playback Playback your favorite videos right on the player using MPEG 4 or M4V profile at 30 frames per second.
- Battery Life With up to 33 hours of audio playback<sup>7</sup> and up to 8 hours of video playback<sup>8</sup> you don't have to worry about charging your player.
- 1.8" QVGA LCD Screen<sup>9</sup> Easily view your movies, photos and music information on the high quality, 320x240 display.
- Portrait and Landscape Mode Allows for easy viewing of your videos and photos in either a portrait or landscape position.
- Compatible with Secure Windows Media Audio<sup>3</sup> Giving you more options than ever for downloading and listening to music.
- MP3/WMA/AAC Audio Codec Support<sup>3</sup> Supports playback of MP3 and WMA DRM and non-DRM audio files downloaded from multiple sources. Will also support AAC non-DRM content, giving you multiple options for downloading music the way you want.
- 5 Clear Audio Technologies Utilizes Clear Audio Technologies to reproduce crystal clear, CD-quality audio. Digital Sound Enhancement Engine (DSEE) restores the higher sound frequency lost when creating compressed music files. Clear Bass enhances the bass sound while minimizing distortion. Clear Stereo reduces signal leakage from one channel to another. EX Quality Headphones help cancel out the ambient noise with built in microphones on the outside. Noise Cancelling function is built into the Walkman and works in conjunction with the headphones.
- FM Tuner with 30 Station Presets Allows you to preset and listen to your favorite radio stations while on the go.
- Time Machine Shuffle<sup>11</sup> Shuffle Play among songs from a randomly selected year. (Information will come from CD information that is downloaded from the Gracenote CDDB®)
- Initial Search Use the first letter of the song, album or artist to easily find the music you are looking for.
- Noise Canceling EX Series Headphones (included)

## Specifications

### General

Backlit Color: 1.8" GVGA TFT display (240 x 320)

### Audio

Equalizer: 5 Band: Heavy/Pop/Jazz/Unique/Custom

Format(s) Supported: MP3, WMA, AAC-LC, Linear PCM<sup>10</sup>

Antenna System: FM: Headphone Cord Antenna

Frequency Response: 20 - 20,000Hz (when playing back data file, single signal measurement)

Tuner Type: FM

Tuner Frequency Range: 87.5 - 108.0MHz

### Audio Features

Simulated Surround: VPT: Studio/Live/Club/Arena/Matrix/Karaoke

### Convenience Features

Multiple Language Display: Yes

(English/French/German/Spanish/Italian/Russian/Japanese/Simplified Chinese/Traditional Chinese/Korean/Portuguese)

### Hardware

Headphone Type: Earbud

### Power

Battery Charging (Approx.): USB based charging: 3 hours (full charge), 1.5 hours (approx. 80%)

Battery Life (Approx.): Up to 33 Hours (Music: Approx. 33H<sup>7</sup> Video: Approx. 8H<sup>8</sup>)

Output Power: 5+5mW

### Video

Format: MPEG 4, M4V

Playback: Mode: Repeat(on/Off), Continuous Playback (On/Off)

### Video Features

JPEG Playback: Normal/Slide Show/Slide Show Repeat  
Slide Show Interval(Short/Normal/Long)

Compatible with DCF 2.0/Exif 2.2 file format<sup>4</sup>

### Inputs and Outputs

Headphone Output(s): 1 (stereo mini jack)

USB Port(s): 1 (22 pin to high-speed USB 2.0 connector<sup>6</sup>)

### Dimensions

Weight: 1.9 oz (52g)

Measurements: W1 11/16 x H3 1/4 x D15/32" (42 x 79 x 11.5mm)

### Supplied Accessories

USB Cable (22 pin to USB)

CD-ROM with Windows Media Player 11 and MP3 Conversion Tools

Noise Cancelling EX Series Headphones

Attachment for Accessories

### Optional Accessories

CKH-NWS710 Clear Case

CKM-NWS610 Silicone Case + Protector Sheet

CLP-NWS610 Belt Clip

PRF-NWS610 Protector Film

SRS-NWT10M Mini Speaker

BCR-NWU5 Multi-function Cradle

WLA-NWB1 Bluetooth Adaptor

SRS-NWZ10 Speaker System with Cradle

TDM-NW1 Digital Media Port

CPF-NW001 Audio Docking Station

DCC-NWC1 Car Connecting Cable

AC-NWUM50 AC Adaptor

WMC-NW20MU USB Cable

WMC-NWP10 Portable USB Cable

Color: Red

UPC Code: 027242735286

1. User available memory = 3,840,638,976 bytes, because a portion of the memory is used for data management functions.
2. Calculated on 4 minutes per song @ 128kbps in the MP3 format, not including videos or photos. Other playable audio file format song numbers and times may differ from MP3 format.
3. Not all MP3 and WMA files may playback due to file variations. Copyright protected AAC-LC files cannot be played back.
4. Some photos cannot be played back, depending on their file formats.
5. Approximate recordable times are estimated where only video is transferred. The time may vary depending on the conditions under which the player is used.
6. Not all products with USB 2.0 connectors may communicate with each other due to chipset variations.
7. When playing back MP3 files at 128kbps and Noise Cancelling off. The times are approximate when all of the equalizers and the VPT are set to "None", all of the DSEE, the Clear Stereo, Dynamic Normalizer and the New Song Pop Up are set to "Off", and the Type of Screensaver is set to "Blank". Actual battery life may vary based on usage patterns, environment and battery condition.
8. When playing back MPEG-4 at 384kbps. The times are approximate when the Brightness of the Common Setting is set to "3". Actual battery life may vary based on usage patterns, environment and battery condition.
9. Screen size is measured diagonally.
10. Copyright protected AAC-LC files cannot be played back.
11. Information will come from the CDDB Gracenote Database which requires internet connection and may require a fee.
12. Reduces ambient noise by up to 75%.

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