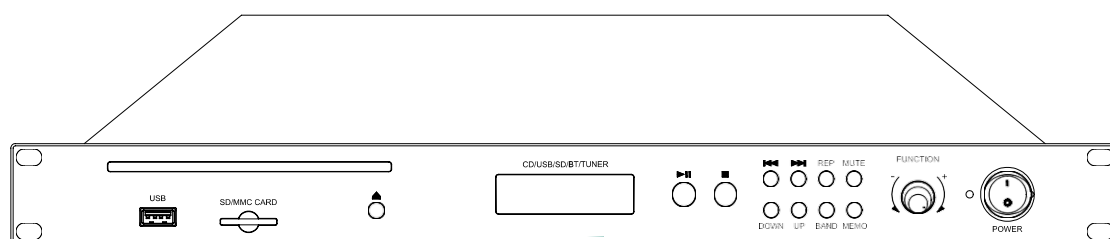


1U Multi-channel Media Player with CD/USB/FM/Bluetooth NVS-40020111PL

User Manual



About the Manual

The instruction is used from the development completion date of the 1U Multi-channel Media Player with CD/USB/FM/Bluetooth NVS-40020111PL. The instruction includes product introduction, precautions for use, instructions for system connection, instructions for product use, and technical indicators of the product and other contents of the terminal. Prior to connection, installation and use, the user shall carefully read the instruction, and conduct operation according to indication in the instruction.



The instructions with the label on the rear panel of the machine are the matters to be noticed. Please conduct use or operation according to these instructions during use.

Please properly keep the instruction in case of need.

Matters Needing Attention

Please read the following prior to operation.



Warning

The following basic requirements must be strictly observed, to avoid potential personal injury and equipment or property damages to you or any person nearby. The basic requirements include without limitation to the following:

Power source/Power cable

- Please disconnect the device from power source by pulling the plug other than the power cord. Pulling the power cord may result in damages.
- Please keep the power cord away from heat source. Do not over-bend the power cord or place it anywhere it can be stepped on or may cause to trip.
- This is connected to power source via the plug and any failure or danger occurs, the user can disconnect the device from power source by pulling out the plug out from the socket, therefore, it is required that the power socket should be located somewhere with easy access.
- The device is not completely disconnected from power source when it is switched to "OFF". For sake of safety, please disconnect the device from the socket if it is not in use.

Positioning

- Please disconnect the device from power source before relocating the device.
- For avoiding deformation of panels and damages to internal components, please do NOT place the device where there is heavy dust or violent vibration, or where it is extremely cold or hot.
- Please keep this device off water drops or splash or vase filled with water or any other articles of similar nature.

Connection

- Please disconnect other equipment from power source before they are connected to this product. Please tune volume to its minimum level before the device is powered ON or OFF.
- All terminals on the device marked with ⚡ are dangerous and charged, and should be connected by trained personal

When abnormal conditions are realized

- Please disconnect the device from power source immediately in case the power cord is worn or damaged or if the sound is suddenly cut off or any abnormal odor or smoke comes out from the device, and then have the device inspected and repaired by professional personnel.

Precautions in Operation

- Please do NOT insert any finger into any gap or opening of the device.
- Please prevent foreign objects (paper, plastics or metal etc.) from being inserted or falling into any gap or opening of the device. In such case, please cut off power source immediately.
- Please do NOT put the body or any heavy object on the device and do NOT operate the buttons or switches or connections with excessive force.

Do Not Open

- Please do not remove the cover of the equipment, otherwise you may get an electric shock.
- Do Not attempt to remove any internal component from the device, or to modify the equipment in whatever manner. In case of any abnormal condition, please stop using the device immediately and have it inspected and repaired by professional personnel.

Other Precautions

- Our company shall not be responsible for data loss or damages due to improper use of unauthorized modification to the device.
- The images and screen display in this Manual are only for description and may be different from screen images in actual operation. The screen display depends on the product.

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I. PRODUCT DESCRIPTION

1.1 INTRODUCTION TO THE DEVICE

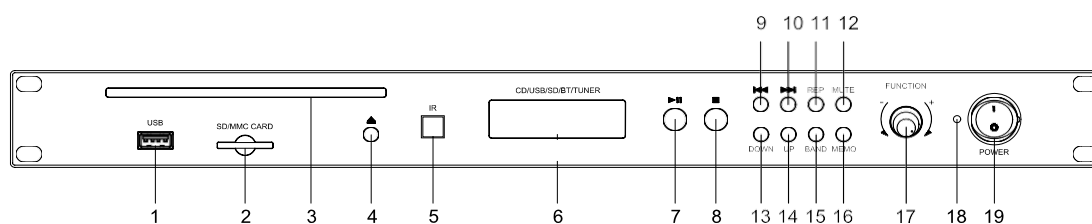
The NVS-40020111PL is an audio player with CD playback, radio and Bluetooth function. It supports a variety of audio playback, including CD, USB, SD, Bluetooth and radio signals; has full light touch button control and blue LCD display with high brightness to display clear working status of the audios; has one-way Bluetooth output, one-way radio signal output, one-way CD/MP3 audio output, and one-way alternative output of Bluetooth, radio signal or CD/MP3 audios, which meets various requirements in the application scenes.

1.2 FEATURES

- Full light touch button control, blue LCD display with high brightness and clear screen;
- With MP3 player, built-in USB interface, SD slot, CD disc tray;
- High-end CD suction movement;
- Bluetooth function;
- CD/MP3/MP4/VCD/DVD playback function;
- Built-in radio function, digital radio module with high sensitivity;
- With automatic search radio and storage function, AM/FM radio can store 40 stations respectively;
- The radio has a power-off memory function, which can start to work automatically after powered on;
- One-way Bluetooth output, one-way radio signal output, and one-way CD/MP3 audio output;
- One-way alternative output of Bluetooth, radio signal or CD/MP3 audios.
- Support remote control via the IR remote controller.

II. APPEARANCE DESCRIPTION

2.1 FRONT PANEL



1. USB Interface

The USB interface is used to connect a USB flash drive to provide programs to the device;

Note: The USB interface only supports U disk 2.0, and the audio file must be placed in the root directory to be recognized.

2. SD Card Slot

Insert the SD card here and play the SD card source;
Note: The audio file must be placed in the root directory to be recognized.

3. Built-in CD Disc Tray

Put the CD disc here and play the CD audio source.

4. Disc IN/OUT

Press the button on the right side of the CD disc door to eject the CD disk tray then you can replace the CD disc and press the button again to automatically enter the disc (Note: Please do not use excessive force to put the CD into the tray to avoid damage to the CD movement).

5. IR Remote Control

6. LCD display

Display the working status and operating status of the device. If the device is not operated within one minute, the screen will automatically switch to protection status.

7. Play/Pause

In DISC and Bluetooth playback, press this button to play/pause it.

8. Stop

In DISC/Bluetooth mode, pressing the STOP button during playback will stop the playback; in the radio mode, pressing the STOP button will get into silence.

9. Previous Song/(Previous Station in AM/FM)

In the U disk, CD, SD card and Bluetooth playback state, press this button to switch to the “Previous Song”;
In the radio mode, press this button to play the “Previous Station” of the stored station;

10. Next Song/(Next Station in AM/FM)

In the U disk, CD, SD card and Bluetooth playback state, press this button to switch to the “Next Song”;
In the radio mode, press this button to play the “Next Station” of the stored station;

11. CD Playback Mode Switch Button

The playback mode switching sequence includes sequential playback, single loop, loop playback and single play.

12. Mute

Press this button to switch between mute and unmute.

13. Trim Down

Each time you press the button, the receiving frequency will be reduced by one step. (one step for FM is 0.1kHz, for AM 9kHz).

If you press and hold this button for 1 second, it will automatically search for the radio channel from high frequency to low frequency. Press this button again to stop the search and automatically stop when you search for a clear channel.

14. Trim Up

Each time you press the button, the receiving frequency will be increased by one step. (one step for FM is 0.1kHz, for AM 9kHz).

If you press and hold this button for 1 second, it will automatically search for the radio channel from low frequency to high frequency. Press this button again to stop the search and automatically stop when you search for a clear channel.

15. AM/FM Band Selection

Press the “BAND” button to switch between “AM” and “FM”.

16. MEMO

Press the “MEMO” button to store FM/AM station.

17. Function/Volume

Press this button to switch to Bluetooth status, press this button again to switch to CD playback status, press this button again to switch to the radio status. Rotate the button clockwise to increase the volume and counterclockwise to decrease the volume

18. Power Indicator

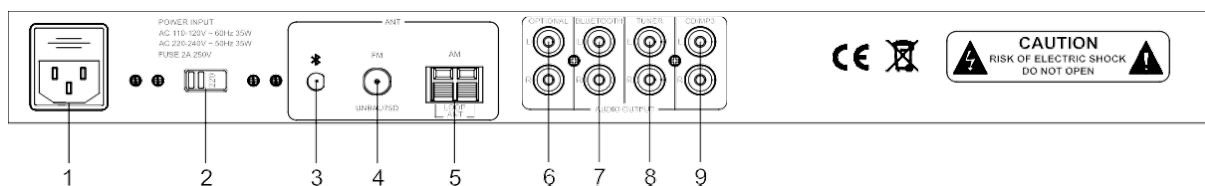
When the power is turned on, the indicator light is in steady blue

19. Power Switch

The switch is off at the “0” position and on at the “I” position.

Note: The USB/SD/CD/Bluetooth function of this player only has audio outputs, but no video output function.

2.2 REAR PANEL



1. Power outlet

2. AC110V/220V Option Switch

Used to select the voltage operating state.

3. Bluetooth Antenna

4. FM Antenna Input Interface

Use a wire to connect this interface to the outside or to the antenna.

5. AM Antenna Input Interface

Connected to a wire that can distinguish polarity correctly, and note that the polarity of both ends should be the same.

6. Alternative Output Interface

This line can choose to output CD/MP3, Bluetooth or radio signal audios, but does not support mixing output.

8. Radio Signal Output Interface

This line outputs the audio sources of radio signal.

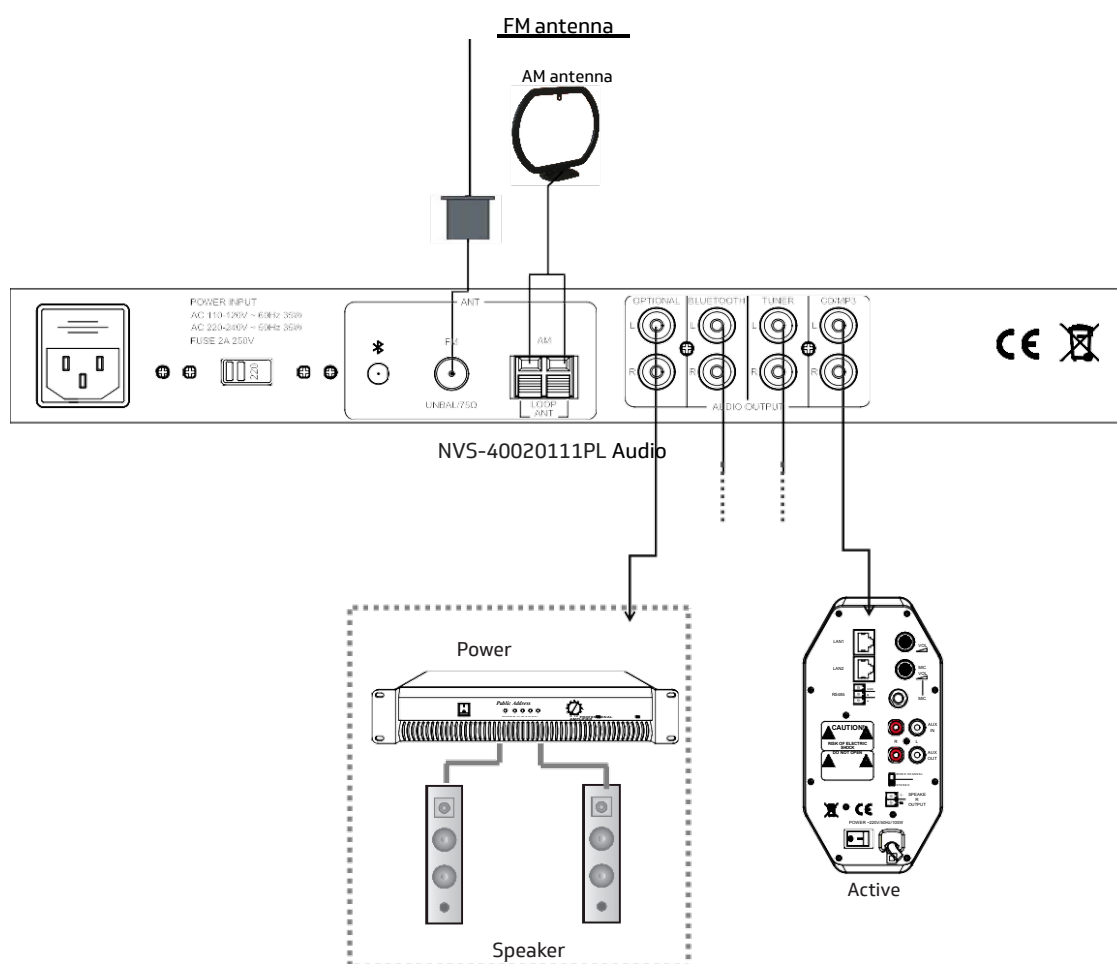
9. CD/MP3 Output Interface

This line outputs the audio sources of CD/MP3.

7. Bluetooth Output Interface

This line outputs the audio sources of Bluetooth device.

III. CONNECTION DIAGRAM



Note: 4-way audio output interfaces can be connected to power amplifiers or active speakers.

IV. INSTRUCTIONS

This device can play CD, VCD, MP3 and other audio sources. As for this device, the audio source is provided by CD, VCD, MP3, SD card, USB flash drive, Bluetooth device and radio station.

1. **Audio playback mode switching:** press “FUNCTION” button, the digital screen will display DISC-FM / AM-BT in sequence; in the DISC state, the CD, SD card and USB interface audio source can be played. If the device has a sound source connected to a CD, SD card or USB interface, press the “FUNCTION” button, the digital screen will display CD, SD or USB instead of DISC; in the radio state, the device can perform AM/FM band radio operation; and in the BT state, the device is in Bluetooth mode.
2. **CD/USB/SD card source priority:** in the DISC playback state, CD, SD card and USB interface audio source can be played, and the audio source will have priority: CD>USB>SD card; whether the interface has access to the audio source device, the device will read the CD, USB and SD card in the order of the audio source priority from high to low and play automatically in the DISC playback mode. If the CD has no audio source, it will continue to read the USB audio source, and so on; to prioritize USB audio source, you must ensure that the CD player has no audio source device; to prioritize SD card audio source, you must ensure that the CD player and USB interface have no audio source device (Note: when playing a USB source, the access CD source will not be read; when playing the SD card source, the access CD or USB source will not be read).
3. **Bluetooth mode:** press the “FUNCTION” button to display the BT text on the digital screen. Please turn on the Bluetooth device switch of the mobile phone and computer to search the Bluetooth device, find the “NVS-40020111PL” device name for pairing, and play the sound source of the mobile phone and computer when the pairing is successful (“Connected!” will be displayed on the digital screen after the device is successfully paired with the mobile phone and the computer), with excellent wireless transmission function less than 10m.
4. **Play/Pause:** when the device is in DISC / BT / audio playback state, press the “▶||” button to play/pause the playback, and the screen displays “PLAYING / PAUSE”. In the radio mode, this button is invalid.
5. **Stop Playback:** in Disc/BT/Radio mode press the button during playback to stop playing screen will display “Stop” press again and the audio will start playing from the beginning in the radio mode the radio station will be muted.
6. **Song selection:** Press “◀◀” or “▶▶” button to play the previous or next song.

7. Playback mode: the device has the following settings for several playback modes:

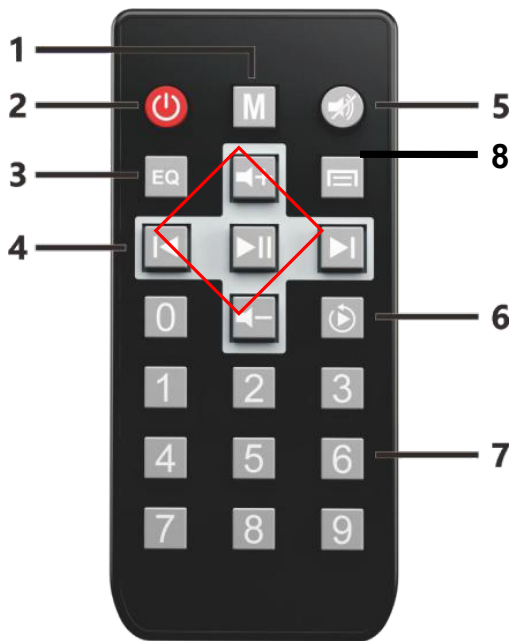
Press the REP button in the playback state to set the playback mode. The playback mode switching sequence is order playback, single loop, loop playback, and single playback.

8. Station selection: this machine provides two ways of station selection: direct station selection and storage number invocation.

- ① Direct station selection: press the BAND button to select the received band; press the UP or DOWN button to search for the radio channel from low frequency to high frequency or from high frequency to low frequency. Each time you press the button, the receiving frequency will be increased by one step. (one step for FM is 0.1kHz, for AM 9kHz). The radio frequency range of the local FM band is 87.00MHz-108.00MHz, and the radio frequency range of the AM band is 522kHz-1620kHz. If the UP or DOWN button is pressed for more than 1 second, it will enter the automatic search state, and the receiving frequency will increase or decrease continuously. If the automatic search has continued for one week (referred to the frequency value reached is the same as the one when the search is started) without a station searched, it will stop searching.
- ② Storage number invocation: first press the BAND button to select the received band; press the MEMO storage button, the screen will display the "CH0 0" character, and the "▶▶▶" button, the screen will display the "CH0 1" character and press this button continuously to increment and invoke the storage station from 1 to 40, and press the "◀◀◀" button, the screen will display the "CH4 0" character and press this button continuously to diminish and invoke storage station from 40 to 1. If the stored station has a signal, it will play automatically.

9. Station storage: press the UP or DOWN button to search the radio channel from low frequency to high frequency or from high frequency to low frequency. When the device receives the radio signal, press the MEMO storage button, the screen will display "CH0 0" character, and press the "▶▶▶" button screen will display "CH0 1" character, and press this button continuously to increase the storage number from 1 to 40, and press "◀◀◀" button, the screen will display "CH4 0" character, and press this button continuously to decrease the number from 40 to 1. After selecting the station storage number, press the "MEMO" button again to store the currently displayed radio channel, and the screen will display the "CH" character to indicate that the storage is successful, and the same station takes the last storage operation as valid storage.

V. Remote Controller



- Mode: Used for switching among radio, DISC and Bluetooth.
- Power: Used to turn on and off the screen.
- EQ button: Used for switching between AM and FM in the radio mode.
- Previous/Fine-tuning down/Search up: It is the Previous button in the DISC mode; short press for fine-tuning down and long press for auto searching in the radio mode.
- Play/Pause button: It is used to play or pause the audio in the DISC mode and Bluetooth mode; ineffective in the radio mode.
- Next/Fine-tuning up/Search down: It is the Next button in the DISC mode; short press for fine-tuning up and long press for auto searching in the radio mode.
- Volume + / Volume - button: Used to increase/decrease the volume.
- Mute button: Mute all output audios.

- Play mode button: Used to switch the play mode in the DISC mode, including order play, single cycle, loop play and single play.
- 0-9 numeric button: Used to select a song in the DISC mode. Press the corresponding number to select the corresponding track; form a channel selection channel in the radio mode. First press the number 0 button before selecting channel 1~4 (like 01).
- Exit/Storage button: It is the DISC Tray out button in the DISC mode; it is the channel storage button in the FM radio mode. First press the Storage button and press the number 0 button and the corresponding number button before storing channel 1-4 to save the current frequency as channel 1-4; first press the Storage button and press the corresponding number button before storing channel 5 and above to save the channel.

PACKING LIST

No.	List	Quantity
1	NVS-40020111PL	1 piece
2	M5*19 whole machine fixing screw	4 pieces
3	SY542 wire (AV terminal audio wire)	1 piece
4	FM antenna	1 piece
5	User manual	1 copy
6	Plastic washer	4 pieces
7	Power cord	1 piece
8	AM antenna and antenna mount	1 set
9	2.4G Bluetooth antenna	1 piece
10	Remote Controller	1 piece

SPECIFICATION

Model	NVS- 40020111PL	
Laser Player	Maximum output voltage 1KHz -10dB signal	1000±100mV
	Frequency response range	20-19KHz(±1dB)
	THD	≤0.3%
	Noise	≤0.02mv
USB	Maximum output voltage	1000±100mV
	Frequency response range	20-19KHz(±1dB)
	THD	≤0.3%
	Noise	≤0.02mv
SD	Maximum output voltage	1000±100mV
	Frequency response range	20-19KHz(±1dB)
	THD	≤0.3%
	Noise	≤0.02mv
Bluetooth	Maximum output voltage 1KHz -10dB	1000±100mv
	Frequency response range	20-19KHz(±2dB)
	THD	≤0.3%
	Noise	≤0.06mV
	Distance	Best within 10M
Radio function (FM/AM)	Maximum output voltage	1200±100mV
	Amplitude limiting sensitivity	-80dB
	Frequency response range	40-10KHz(±3dB)
	Distortion	≤0.2%
	SNR	≥60dB
	Store/Memory function	40 pcs
Protection	AC fuse	
Power supply	AC110-120V/60Hz/35W AC220-240V/50Hz/35W	
Outer packing dimension (mm)	(L×W×H) 534×350×110	
Machine dimension (mm)	(L×W×H) 483×210×44	
Gross weight	4.4kg	
Net weight	3.65kg	

The performance specifications are subject to changes without notice.

Cautions

- The device is not completely disconnected from power source when it is switched to “OFF”. For sake of safety, please disconnect the device from the socket if it is not in use.
- The device cannot be subject to water droplets or splashes and any items like vases filled with water cannot be placed on this device.
- Do not open the cover of the machine to prevent the electric shock. If necessary, it shall be repaired by the professional with the professional certificate.
- The terminal marked with a symbol ⚡ in the device indicates that it is dangerous and charged. The connecting operation of these terminals shall be performed by the trained staff.
- The device is connected to the power grid via the power cord plug, so the connection between the device and the power grid can be cut off by unplugging the power cord plug in case of any fault or danger. Therefore, the power outlet is required to be mounted at a place where the plug of the power cords can be easily unplugged or plugged.



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