Thank you for your purchase
USER MANUAL

MANUAL ICONS

⚠ **Warning:** situations involving injury risk of the user or other persons.

🛈 **Attention:** situations, when damage of sound system or other equipment may be caused.

📝 **Note:** notes, tips or additional information.

GENERAL SAFETY RULES

- Carefully read this manual before use and store it in a safe place with the cash receipt, free service application form and, if possible, package.
- Use the device for the intended purposes and in the manner specified in the manual only.
- Do not use the device in moist places or in direct vicinity of water (the system may not be splashed or spilled with any liquids).
- Protect the device from direct sunlight, open flame, heat or sharp impacts.
- Inspect the device and charger on regular basis. In case of visible damages, turn to authorized service for the elimination thereof.

⚠ Due to safety reasons, do not allow children to play with the charger and packing materials (plastic, foam plastic, cardboard etc.). Choking and suffocation risk!

DESCRIPTION

Portable sound system. Bluetooth and NFC to connect with a smartphone. Powerful 15" (381mm) woofer and 1" (25mm) tweeter for high-resolution sound. Microphone inputs for karaoke and jamming. TWS (True Wireless Stereo) connecting up to 2 DISTURBER using Bluetooth. Voice, FM and AUX-IN record function. Multicolour rhythm lighting. Long-life 2200 mAh lithium battery. Telescopic handle and wheels for mobility.
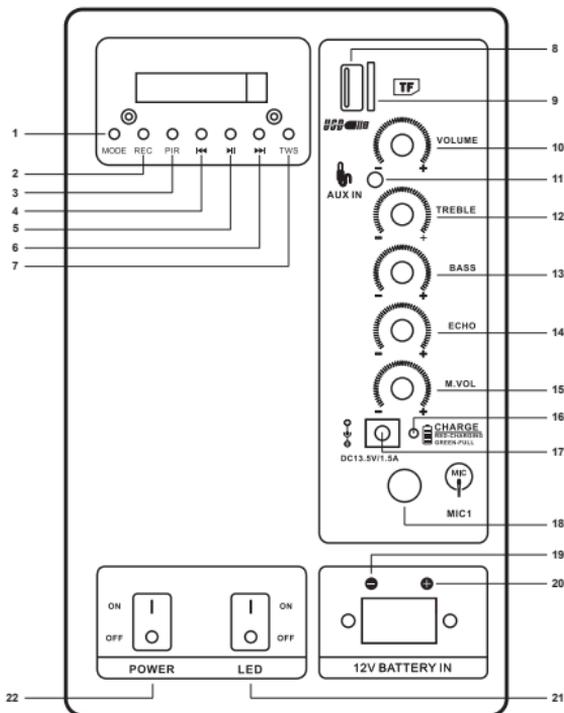
Content of the set:
• ZND_DISTURBER
• Dynamic microphone (wireless)
• Remote control
• Charger
• Audio cable 3.5/3.5 mm
• Quick Start Guide (manual)

FUNCTIONS

- Playback of sound records from mobile devices via Bluetooth (wireless) connection TWS support.
- Sound system is equipped with USB flash memory, micro SD memory card, 3.5 mm linear input and 6.3 mm microphone sockets.
- Reads microSD / microSDHC cards and USB flash memory records in MP3, FLAC, WMA, WAV format.
- Display shows the selected operation mode.

- Full FM range coverage (87.5 - 108.0 MHz).
- Restarts FM frequency, track and volume after restart.
- Remote control intended for more convenient device control with extended functions.
- Lithium battery provides autonomous use of the device.
- Equalizer with 6 setting modes.
- Recording from microphone to USB flash or microSD memory card.
- Solid housing provides good quality sound.
- Multicoloured lights with rhythmic alteration.
- Option to power the device from the external 12V power source (for example, 12V car lighter socket or battery) - by connecting the cables to +/- terminal in the block **12V BATERY IN** (19/20).

(!) Upon connection of cables, correct polarity is crucial. Incorrect polarity may lead to damage of the sound system or other equipment!

Control panel

PREPARATION

Battery charging:

Insert the pin of the included charger cable into the sound system socket **DC** (17), red charging mode indicator **CHARGE** (16) will light up.

Battery must be charged for approximately 4-5 hours. When the battery is full, green indicator **CHARGE** (16) will light up.

📝 If the sound system is on during the charging, the battery charging duration takes longer.

⚠ To extend the service life of the battery, never leave it uncharged.

⚠ If you will not use the sound system for a long time, charge the battery every 3 months.

USE

Switching on:

Shift the switch **POWER** (22) in position **ON**.

Volume adjustment:

The sound system has two volume controllers:

    a) **VOLUME** (10), adjusts (limits) the maximum volume.

    b) digital controller with buttons [◄◄] (4), [►►] (6) and remote control buttons [VOL-], [VOL+].
    You can turn the volume down or up by pressing and holding the button [◄◄] (4) or [►►] (6).

📝 It is recommended to set the digital volume controller at the level of increased or maximum volume and to change the required volume by using the controller **VOLUME** (10).

Equalizer (in USB/SD/bLUE mode)

During the playing of digital (MP3) records you can use the remote control button [EQ] to switch the equalizer modes: **POP-rOC-JAZ-CLA-CUt-NOr.**

📝 For the best possible sound, appropriate equalizer mode must be selected for the style of each track.

Playback of the digital (MP3) recordings:

1. Insert the USB flash memory stick or microSD memory card with digital records in the corresponding socket (8/9).

⚠ If the USB flash memory stick/microSD card will be inserted or removed from switched on sound system, damage to the data and/or device may occur!

2. Switch on the sound system by using the switch **POWER** (22). Playback of MP3 record will start.

- If any other mode ("FM", "LINE", "bLUE") has been operated before, then select MP3 mode (on the display "USB" or "SD") by pressing the key **MODE** (1).

- Switch on or cancel the playback pause mode with the key [►II] (5).

- Selection of the next or previous track:

    "Fast forward" by temporarily pressing the key [►►] (6).

    "Rewind" by temporarily pressing the key [◄◄] (4).

3. After listening to the records, press key [►II] (5).

4. Shift the switch **POWER** (22) to the position **OFF** to switch off the sound system.

Playback of analogous signal from external source:

1. Put in the cable plug found in the set in the 3.5mm jack **AUX IN** (11), put the other cable plug in the source (for example, smartphone, tablet PC, MP3/MP4 player, etc.) **LINE OUT** or earphone jack.
2. Switch on the sound system and select mode "LINE" with the key **MODE** (1).
3. Adjust the volume.

Bluetooth wireless connection:

⌨ • Bluetooth is a technology that use wireless radio-wave connection to connect devices. Effective wireless operational distance is approximately up to 10 meters.

• Full functionality may not be guaranteed taking into account the variety of device manufacturers, models and software versions.

1. Pairing of devices by using NFC function

⌨ • Devices may be instantly paired by using NFC function.

• Not all Bluetooth devices are equipped with NFC function.

a. Use the switch **POWER** (22) to switch on the sound system. Select mode "bLUE" by pressing the key **MODE** (1).

b. Make sure that Bluetooth and NFC functions have been activated in your Bluetooth device (for example, smartphone). In order to do this, read your Bluetooth device user's manual.

c. Move your Bluetooth device very slowly over the sound system NFC symbol (▨) until you hear signal and the Bluetooth device receives confirming message.

2. Manual pairing of devices

a. Use the switch **POWER** (22) to switch on the sound system. Select mode "bLUE" by pressing the key **MODE** (1).

b. Make sure that Bluetooth function has been activated in your Bluetooth device (for example, smartphone). In order to do this, read your Bluetooth device user's manual.

c. When (Bluetooth ID) with title "ZND_DISTURBER" is displayed in your Bluetooth device, select it to begin connection in pair and establish a connection. After successful connection in pair, the sound system confirms establishment of connection with sound signal.

e. If necessary, enter the default password "0000" (or other depending on the version of your mobile device or software version).

⌨ • Use control elements of the Bluetooth device to select the track, playback mode and set the initial volume (see the mobile device user's manual).

• If the previous connection of Bluetooth device has been with "ZND_DISTURBER", next connection will be automatic.

• Compatibility may not be provided for the Bluetooth devices to be manufactured in the future.

• In order to provide optimum connection, make sure the battery of your Bluetooth device has been fully charged.

• Some Bluetooth devices have energy saving mode. Deactivate energy saving mode, since it may cause data transmission disturbances.

• In case of incoming call to the connected smartphone, music playback is paused.

TWS function

The TWS technology provides connection of two identical sound systems. The sound systems must be compatible with *Bluetooth TWS* technology. When in TWS connection mode, the sound systems automatically join into a stereo system as the left and right sound channel.

Installation

1. Turn on both sound systems and switch them to Bluetooth mode.

2. Press the **TWS** (7) button on one of the sound systems until you hear a beep. Henceforth this will serve as the main sound system (left channel) that will automatically search and connect to the other sound system (right channel). After successful connection, a signal will sound.

3. Connect the mobile device to the sound systems using Bluetooth system. After connecting to the sound systems, you can play the music in TWS stereo mode.

TWS functions in TWS mode simultaneously change settings, e. g., volume settings, next / previous recording, playback/pause, off, of both the primary sound system and the secondary sound system.

Cancelling TWS function

To cancel the TWS mode and disconnect the sound systems, press and hold the **TWS** (7) button. The two sound systems that were connected by TWS are automatically re-coupled when both are turned on and are in Bluetooth mode.

Reception of FM radio stations:

1. Switch on the sound system by using the switch **POWER** (22). Select mode "FM" by pressing the key **MODE** (1).

2. Press the sound system key [▶❙] (5) or remote control key [FM SCAN], scanning of the wave band and memorizing of the frequencies of radio stations will start - frequency will change on the display, and memory cell number of the found transmitter (for example, "P02") will be temporarily displayed; short part of the broadcast will be played.

For early stopping of scanning of FM radio stations, press the key [▶❙] (5).

When scanning of radio stations is over, broadcast of the first found "P01" radio station will be played.

3. Temporarily pressing the key [❙◀◀] (4) or [▶▶❙] (6), select any of the memorized radio stations.

Connection of microphones:

Dynamic wireless microphone (included) and/or dynamic microphone with cable can be connected to the sound system.

1. Switch off the sound system by using the switch **POWER** (22).

2. Turn the main volume control VOLUME (10) and microphone volume control M.VOL (15) down to minimum.

3. Insert the microphone pin into the socket **MIC 1** (18).

⌨ • Before the use of wireless microphone, two R6/AA 1.5V batteries must be inserted.
  • Shift the wireless microphone switch in position ON (switched on).

4. Switch on the sound system by using the switch **POWER** (22).

5. Speak into the microphone and set the required volume by using the main volume controller **VOLUME** (10) and the controller **M.VOL** (15). Set the required echo level with the echo controller **ECHO** (14).

6. If the microphone priority mode button **PIR** (3) will be locked in pressed position, then, upon speaking into the microphone, sound from other signal source (for example, USB flash memory) will be automatically toned down.

Karaoke function:

In order to use karaoke function, first connect microphones according to the description given in the section "Connection of microphones".

1. Switch on the sound system by using the switch **POWER** (22).

2. Select the music source (bLUE/FM/USB/LINE) by pressing the key **MODE** (1).

3. Adjust volume of music and microphone by using the controllers **VOLUME** (10) and **M.VOL** (15).

When using "bLUE" or "LINE" mode, adjust volume also in the Bluetooth device or external player.

Recording from microphone to USB flash memory or micro SD memory card:

📝 • The maximum length of the recorded material depends on the capacity of the memory device.
  • Records will be saved in the **RECORD** folder.

1. Turn off the sound system with the switch **POWER** (22).

2. Insert USB flash memory in **USB** socket (8) or micro SD card in **TF** socket (9).

3. Turn the main volume control **VOLUME** (10) and the microphone volume control **M.VOL** (15) to the minimum. Use **ECHO** (14) to set the echo level to "-".

4. Move the wireless microphone switch to the **ON** position.

📝 • Two R6/AA 1.5V batteries must be inserted into the wireless microphone before using it.

4.1 Insert the microphone jack into the **MIC 1** socket (18).

5. Turn on the sound system with the switch **POWER** (22).

📝 • If the sound system is in another mode, press the key **MODE** (1), turn on the LINE mode ("LINE" on the display).

6. Press and hold the **REC** (2) key until "rEC" appears on the display.

7. Speak into the microphone and set the desired sound level with the control **M.VOL** (15) and the main control **VOLUME** (10).

8. To finish recording, briefly press the **REC** (2) key. The record will be saved on the flash drive.

📝 • If the recording fails, make sure that the flash drive still has a free space.

Playback of the microphone recordings

After completion of the recording, the last recording will be played automatically. If you want to play other microphone records, press the key [◄◄] (4).

To exit the microphone recording mode, briefly press the **REC** (2) key.

Light effects:

If the **LED** switch (21) is **ON**, the sound system is lit up with rhythmic multicoloured light effects (depending on the volume and rhythm of the track).

REMOTE CONTROL

Before the use of remote control, two R03/AAA 1.5V batteries must be inserted.

Key functions:

[⏻]	- switching on of the sound system/ shifting into standby mode.
[✕]	- switching off of sound.
[FL-]	- previous folder.
[FL.REP]	- selection of folder repeating/ playing type (in USB/SD mode)
	"ALL" - cyclic playback of all tracks;
	"FOd" - cyclic arrangement of the current folder.
[FL+]	- next folder.
[EQ]	- shifting of equalized modes (in USB/SD/bLUE mode).
[VOL+]	- turning the volume up.
[◄◄/CH-]	- previous track/ previous FM radio station.
[►❙/ FM SCAN]	- pause mode/ scanning of FM range.
[►►/CH+]	- next track/ next FM radio station.
[VOL-]	- turning the volume down.
[0] - [9]	- digital keys for the entry of MP3 track number / selection of the stations fixed in FM radio memory.
[SCAN]	- plays 10 sec of each track in USB/SD mode. (INTRO)
[MODE]	- mode shift (Bluetooth/ FM / USB/ LINE).

INSTRUCTIONS FOR CORRECT USE

This is a complicated device and must be handled with care. In order to provide long and reliable operation of the sound system, please, comply with the instructions described below.

1 Do not put the sound system in a place with very high temperature (over 40˚C).

2 Prevent contact of the system with water or any other liquids.

3 Do not approximate the system with powerful sources of electric field and static electricity.

4 Do not open the housing arbitrarily, do not repair and re-build the sound system.

5 Do not insert non-standard, poor quality or damaged parts, accessories and batteries.

6 When bringing the sound system from cold into a warm room, do not switch it on, but let the dewy parts dry for approximately two hours.

7 Protect from impacts, falls and powerful vibrations.

8 If the sound system is soaked, switch it off, wipe it down and let it dry for at least 24 hours.

CLEANING

Clean with soft, dry or lightly dampened cloth. Do not use solutions (gasoline, acetone, spirit etc.) for cleaning. Do not abrasive or corroding cleaning agents.

Technical data

Input/output:	USB flash memory slot, MicroSD memory card slot dynamic microphone 6.3 mm input, linear input (3.5mm), FM radio 87,5 - 108 MHz (40 channels)
Wireless compatibility:	Bluetooth V5.0 A2DP, AVRCP NFC
Loudspeakers:	15" + 1"
Output power:	60W
Frequency band:	40Hz - 20kHz
Ratio signal/noise:	>70dB
Charging power source:	13.5V/1.5A, direct current
Battery:	Li-ion 11.1V, 2200 mAh
Battery performance duration*:	up to 12 hours
Supported file format:	MP3/WMA/WAV/FLAC
Remote control operational distance:	10 meters (in view line to IR transmitter)
Ambient temperature:	0˚C to 40˚C
Ambient relative air humidity:	20% - 90%
Dimensions:	405 x 595 x 360 mm
Weight:	~ 8.8 kg

*measurement has been performed at 33% of volume, with the **LED** switch (21) in position **OFF**, and the outcome is approximate (dependant from construction of flash memory and content of record).

Subject to technical changes without warning.

Let us take care of the environment! Do not dispose of this device together with other waste, but deliver to the collection point of recyclable items.

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