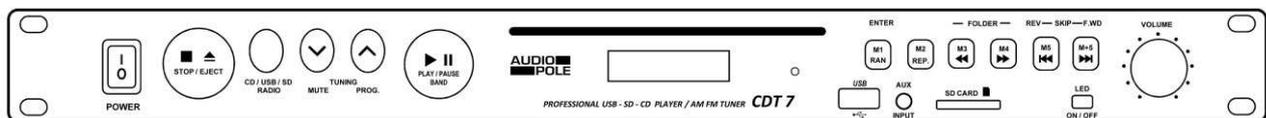


# AUDIO POLE

## CDT 7

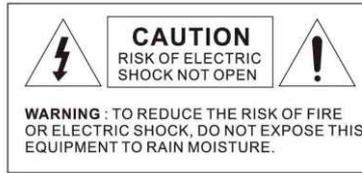
### MULTI-SOURCE AUDIO PLAYER



### USER'S MANUAL

# Important Safety Instructions

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This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions.

## POWER SUPPLY

Ensure that the insource voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user. Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

## EXTERNAL CONNECTION

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice from a registered electrician.

## DO NOT REMOVE ANY COVERS

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only. No user serviceable parts inside.

## FUSE

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the ACD outlet.

## PROTECTIVE GROUND

Before turning the unit on, make sure that it is connected to Ground. This is to prevent the risk of electric shock. Never cut internal or external Ground wires. Like wise, never remove Ground wiring from the Protective Ground Terminal.

## OPERATING SAFETY INSTRUCTIONS

Read these instructions. Follow all instructions. Keep these instructions. Do not discard. Heed all warnings. Only use attachments/accessories specified by the manufacturer.

## POWER CORD AND PLUG

Do not tamper with the power cord or plug. These are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk o electric shock. Do not place heavy objects on the power cord. This could cause electric shock or fire?

## SERVICING

Refer all servicing to qualified service personnel only. Do not perform any servicing then those instructions contained within this User's Manual

## DISPOSAL



This symbol indicates that the disposal of this product is submitted to local regulations. Please contact your local dealer.

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# 1 Introduction

Thank you for purchasing the AUDIOPOLE CDT 7. The device combines a CD player, a SD / SDHC card and a USB key MP3 reader, as well as a FM / AM Tuner.

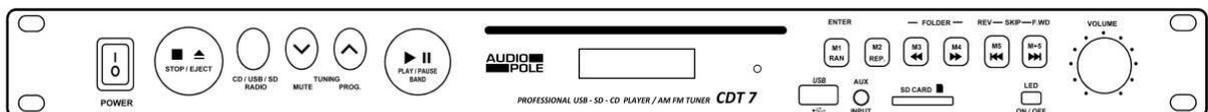
The panel control buttons are lighted and can be manipulated easily in a dark environment.

The RS 232 socket allows to remotely control the device; this feature offers a great flexibility especially in audio visual applications generally controlled by automata.

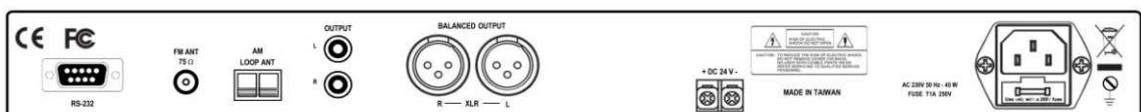
# 2 Features

- Multi-sources audio : CD, SD, USB, Tuner,
- Compact Disc 12 cm CD, CD-R, CD-RW,
- USB slot and SD/SDHC Card reader, up to 16 Gb (MP3 / WMA),
- AM/FM tuner with 10 presets,
- Buttons light with disengaged led,
- Output balanced XLR and unbalanced RCA,
- RS232 interface for remote control,
- 24 V DC back up power supply,
- Infrared remote control,
- 19" 1U Rack.

## ▪ Front panel

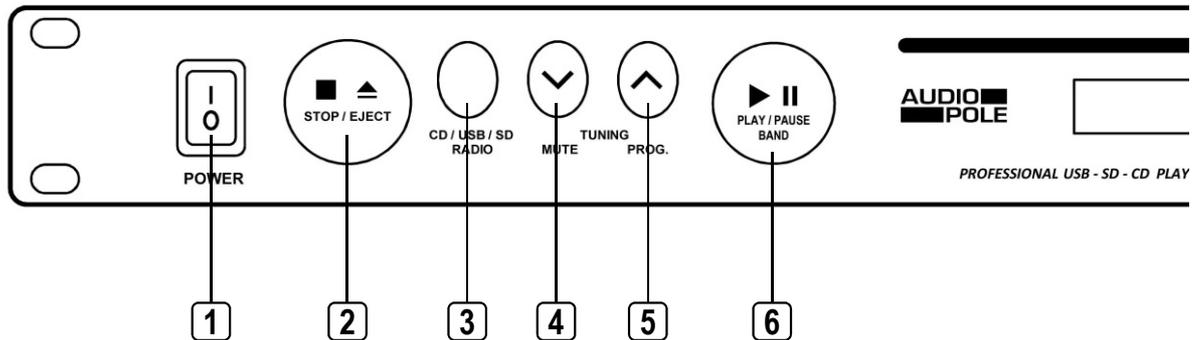


## ▪ Back panel



# 3 Controls

## Front Panel



### 1 – POWER

Power On/Off switch.

### 2 – STOP / EJECT

Stop playing and eject the CD.

A single press stops the playback, the display indicates how many tracks are available. A double pressure ejects the CD. A new pressure reloads the CD.

When the CD is inserted into the drive or ejected from it, it is imperative not to force and hinder the movement at risk of damaging the mechanism.

### 3 – CD / USB / SD / RADIO

Source. Repeatedly press the key until the desired source.

### 4 – MUTE

Allows an immediate cut-off of sound without having to adjust the volume knob.

### 5 – PROG.

Allows the programming and the activation of a Play List of 10 tracks.

Press the button, the display will show PROGRAM. The choice of the selection occurs by the SKIP REV keys (12) and SKIP FWD (13). This choice must be confirmed by pressing ENTER (8) for each track.

Playback starts directly by pressing the PLAY button (6), the display will show the memory number.

Direct memory access is through the buttons (12) and (13).

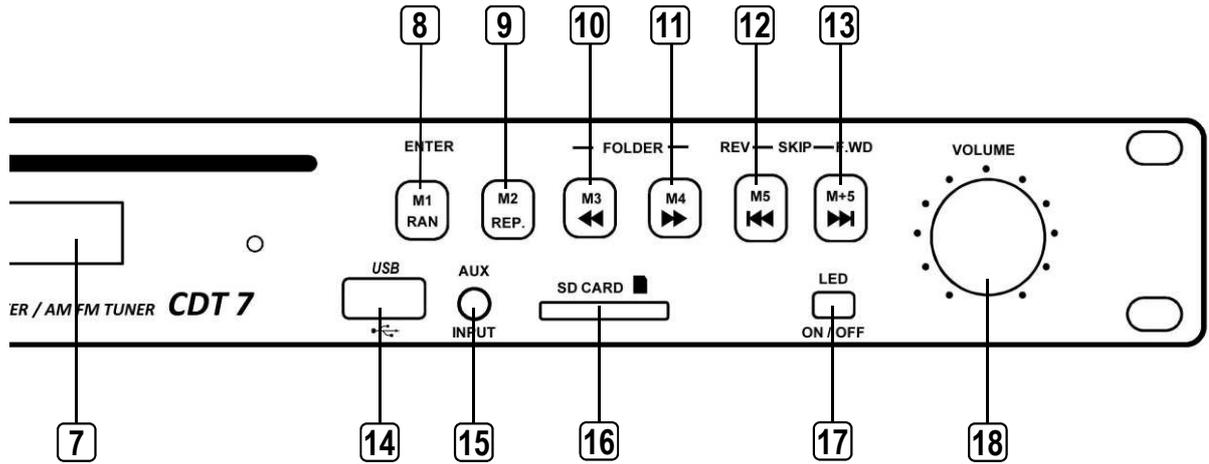
To deactivate the function press the PROG button again.

### 6 – PLAY / PAUSE / BAND

Player mode: Play / Pause.

Tuner mode: AM / FM band.

# 3 Controls



## 7 – LCD Screen

Display:

<b>M3</b>	Source containing MP3 / WMA files
<b>CD</b>	Compact Disc containing non MP3 / WMA CD files
<b>▶</b>	Play
<b>  </b>	Pause
<b>REPEAT 1</b>	Track repeat
<b>REPEAT ALL</b>	All tracks repeat
<b>REPEAT FOLDER</b>	Folder content repeat
<b>RANDOM</b>	Random
<b>PROGRAM</b>	Playlist programming memories
<b>FM</b>	FM band
<b>AM</b>	AM band

## 8 – ENTER / M1 / RAN

Player mode:

PROG function validation (5) / random (RAN).

Tuner mode:

Memory M1 access.

## 9 – M2 / REP.

CD player mode:

A first press allows to replay the current track, a second one allows to replay the whole CD.

MP3 player mode:

A first press allows to replay the current track, a second pressure allows to replay all the folder contents where the track is located. A third pressure allows the replay of all the files contained on the media.

Tuner mode:

Memory M2 access

# 3

## Controls

---

### 10 – FOLDER / M3 / ◀◀

MP3 player mode:

Previous folder.

Tuner mode:

M3 memory access.

### 11 – FOLDER / M4 / ▶▶

MP3 player mode:

Next folder.

Tuner mode:

M4 memory access.

### 12 – SKIP REV / M5 / ◀◀

Player mode:

Previous track / Fast back (press the button more than 5 seconds).

Tuner mode:

M5 memory access.

### 13 – SKIP FWD / M5 + / ▶▶

Player mode:

Next folder / Fast forward (press the button more than 5 seconds)

Tuner mode:

From M5 to M10 memory access..

### 14 – USB

USB slot (UBS key up to 16 Gb).

### 15 – AUX INPUT

Input stereo auxiliary, 35 mm mini jack.

This input is used to connect a MP3 player or an analogue stereo source without using an additional equipment. The signal becomes priority and switches the CDT 7 internal source off, the output is adjustable through the master volume knob (18) level.

### 16 – SD CARD

SD Card Slot (SD Card up to 16 Gb).

### 17 – LED ON / OFF

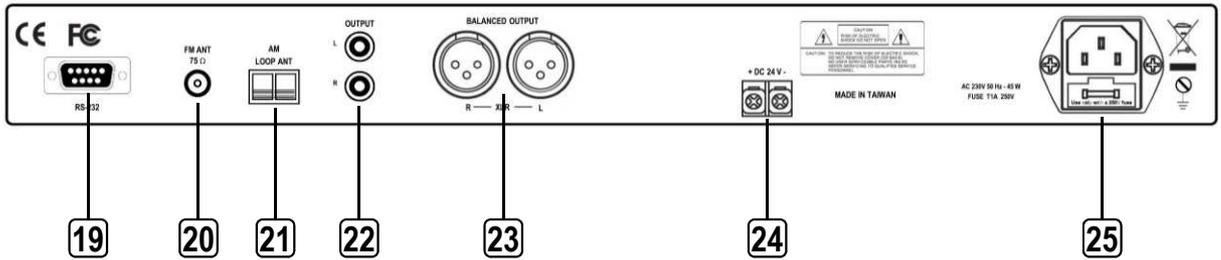
Light buttons activation / deactivation .

### 18 – VOLUME

Master volume control.

# 3 Controls

## BACK PANEL



### 19 – RS 232

RS 232 Port for CDT 7 remote control .  
(see chapter 4)

### 20 – ANT FM

Wire antenna socket for FM radio stations

### 21 – ANT AM

Framework antenna binding post for AM radio stations.

### 22 – OUTPUT

RCA unbalanced stereo output.

### 23 – BALANCED OUTPUT

XLR balanced stereo output.

### 24 – DC 24V

24 V DC back up power supply input. Pay attention to the polarity of the wiring when connecting to a battery.

### 25 – POWER SUPPLY

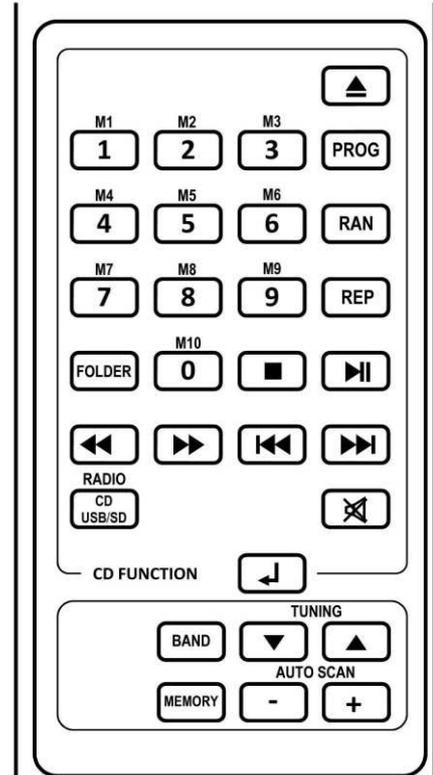
Main power supply socket. Make sure that the cable plug is correctly inserted in the socket.

The compartment located below the socket contains the fuse. In the event of change, it is imperative to use a fuse with identical electrical characteristics under threat of damage to the unit.

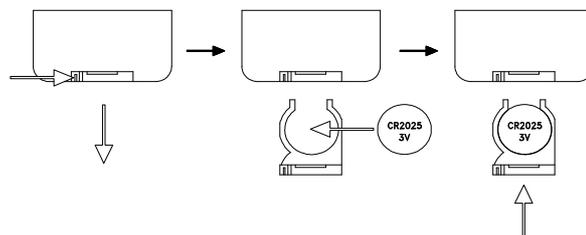
# 3 Controls

## REMOTE

	CD eject
	Memories programming
	Random
	Repeat
	Folder
	Play / Pause
	Stop
	Previous
	Next
	Fast back
	Fast forward
	Source
	Mute
	Enter
	FM / AM Band
<b>TUNING</b>	
	Tuning Down / Up
	
	Reminder / Memories recording
<b>AUTO SCAN</b>	
	Auto Scan Down / Up
	



For optimal operation, the remote must be pointed in the direction of the device. The maximum operating distance is about 3 meters. Power is provided by a flat lithium battery, type CR2025 3 V . The battery change is done as follows:



# 4

## RS 232 Interface

The RS 232 interface allows the remote control of the CDT 7 functions. Thus, a computer, a tablet, a smart phone or a touch screen device can be used to trigger one or more commands to the CDT 7. The list of command in hexadecimal codes is shown below:

FUNCTION	HEX							DESCRIPTION
EJECT	45	31	00	FF	46	0D	0A	CD Eject
PROG	45	31	00	FF	0D	0D	0A	Playlist programming
RANDOM	45	31	00	FF	15	0D	0A	Random
REPEAT	45	31	00	FF	08	0D	0A	Repeat
PLAY/PAUSE	45	31	00	FF	4A	0D	0A	Play / Pause
NEXT	45	31	00	FF	03	0D	0A	Next
MUTE	45	31	00	FF	02	0D	0A	Mute
KEY3	45	31	00	FF	1F	0D	0A	Key 3
KEY6	45	31	00	FF	11	0D	0A	Key 6
KEY9	45	31	00	FF	59	0D	0A	Key 9
STOP	45	31	00	FF	48	0D	0A	Stop
KEY2	45	31	00	FF	1D	0D	0A	Key 2
KEY5	45	31	00	FF	1B	0D	0A	Key 5
KEY8	45	31	00	FF	12	0D	0A	Key 8
KEY10	45	31	00	FF	55	0D	0A	Key 10
FWD	45	31	00	FF	06	0D	0A	Fast forward
KEY1	45	31	00	FF	09	0D	0A	Key 1
KEY4	45	31	00	FF	19	0D	0A	Key 4
KEY7	45	31	00	FF	17	0D	0A	Key 7
FOLDER	45	31	00	FF	50	0D	0A	Folder
REV	45	31	00	FF	5E	0D	0A	Fast back
CD/USB/SD/RADIO	45	31	00	FF	47	0D	0A	CD/USB/SD/RADIO source
PREV	45	31	00	FF	05	0D	0A	Previous
BAND	45	31	00	FF	1E	0D	0A	AM/FM Band
TUNING DN	45	31	00	FF	0E	0D	0A	Tuning Down
TUNING UP	45	31	00	FF	1A	0D	0A	Tuning Up
ENTER	45	31	00	FF	0F	0D	0A	Enter
AUTO SCAN UP	45	31	00	FF	45	0D	0A	Auto scan up
AUTO SCAN DN	45	31	00	FF	01	0D	0A	Auto scan down
MEMORY	45	31	00	FF	52	0D	0A	Memory

Start bit: 1  
End bit: 1  
Code: HEX

Data bit : 8  
Parity bit: none  
Speed: 9600 baud

*(The communication between the computer and the device interface is the UART)*

# 5 Technical specifications

---

Tuner Frequency Range	FM	87,5 MHz – 108 MHz
	AM	522 KHz – 1.611 KHz
Read Format	MP3 / WMA	
Media Format	USB memory devices - SD/SDHC card, up to 16 Gb Compact Disc 12 cm CD, CD-R, CD-RW	
S/N @ 1 kHz	> 80 dB	
Crosstalk	> 60 dB	
Max Level Output	- 3,5 dBu unbalanced RCA + 2,5 dBu balanced XLR	
Input Level	-10 dBu	
Frequency Response	20Hz – 20KHz $\pm$ 3 dB	
Interface	RS 232	
Main Power Supply	220V / 50Hz	
Back up Power Supply	24 V DC	
Weight	3,45 kg net - 4,75 kg including accessories	
Dimensions (L x H x P)	438 x 44 x 275 mm	
Supplied Accessories	Remote control, FM antenna, AM frame antenna, audio cables, power supply cable	

# 6 Warranty

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This device is warranted parts and labor against any manufacturing defects for a period of two years from the date of purchase by the first user.

## Conditions

1. The unit has been installed and implemented by observing the safety instructions in this operating manual.
2. The device was not diverted from its destination, either voluntary or accidental, and suffered no deterioration or modification other than those described here or explicitly authorized by AUDIOPOLE.
3. All modifications or repairs have been carried out by an authorized service station.
4. The defective product must be returned with the dealer who made the sale or to an authorized service station with proof of purchase.
5. The device was properly packaged to avoid damage in transport.



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