IST-I600 User Manual

Thank you for purchasing an Intrasonic Technology product.

Our products are built to provide you with years of high quality sound.

If you need assistance with the installation or operation of this product, please contact our Customer Service Support team at 1-877-435-0670. You may also get information on this and other Intrasonic Technology products on our website at www.intrasonictechnolgy.com

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Important Safety Instructions

1. Read these Instructions.

2. Keep these Instructions.

3. Heed all Warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding - type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
15. The mains plug /appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.
16. ⏚ Protective earthing terminal. The apparatus should be connected to a mains socket outlet with a protective earthing connection.
17. The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

18.

⚡	CAUTION	!
	RISK OF ELECTRIC SHOCK	
	DO NOT OPEN	
ATTENTION: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR		

- This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference.
   (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm.

Contents

1   Introduction

This user manual is designed to help the new users navigate and perform common tasks with the IST-I600 In-Wall Digital Stereo Music System.

2   Spec

Power: 100-240VAC 2.5A 50/60Hz
3.5mm input: 1Vp-p 20-20KHz
RCA input (AUX IN): 1Vp-p 20-20KHz
RCA output (AMP OUT): 1.6Vp-p max. 20-20KHz
RMS Output Power: 8x10W@8ohm max.
LCD: 4.3" TFT, resistor touch panel

3   I600 assembly
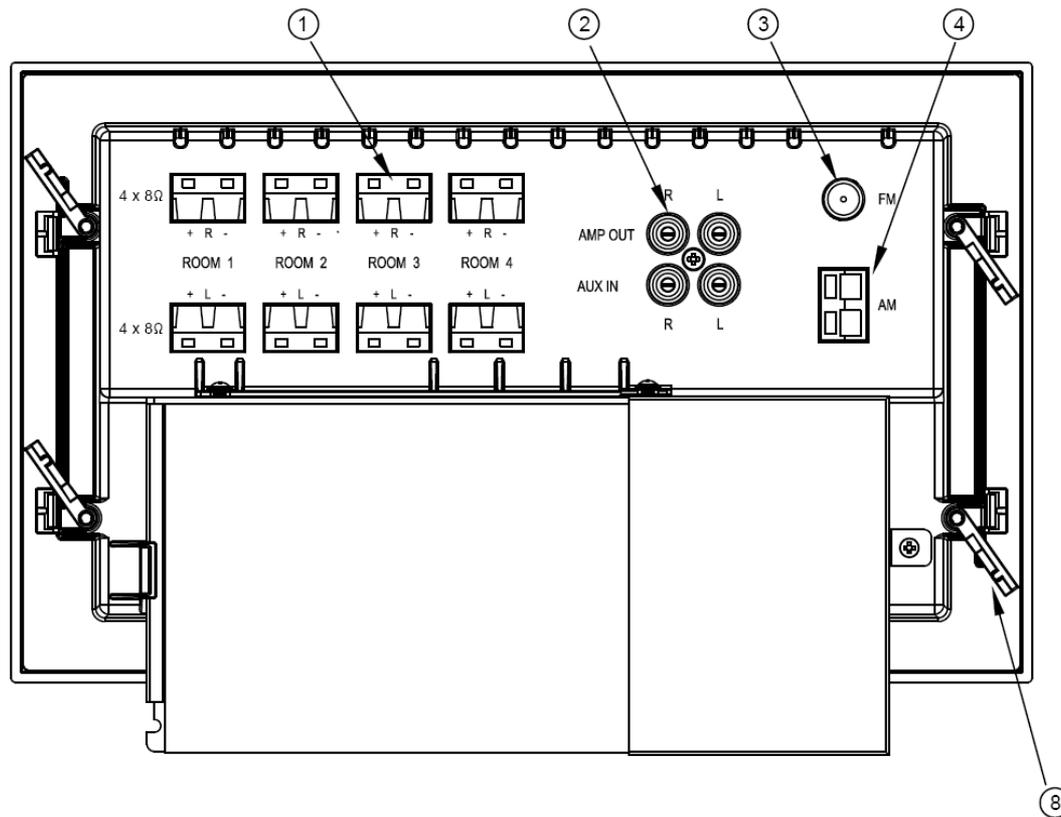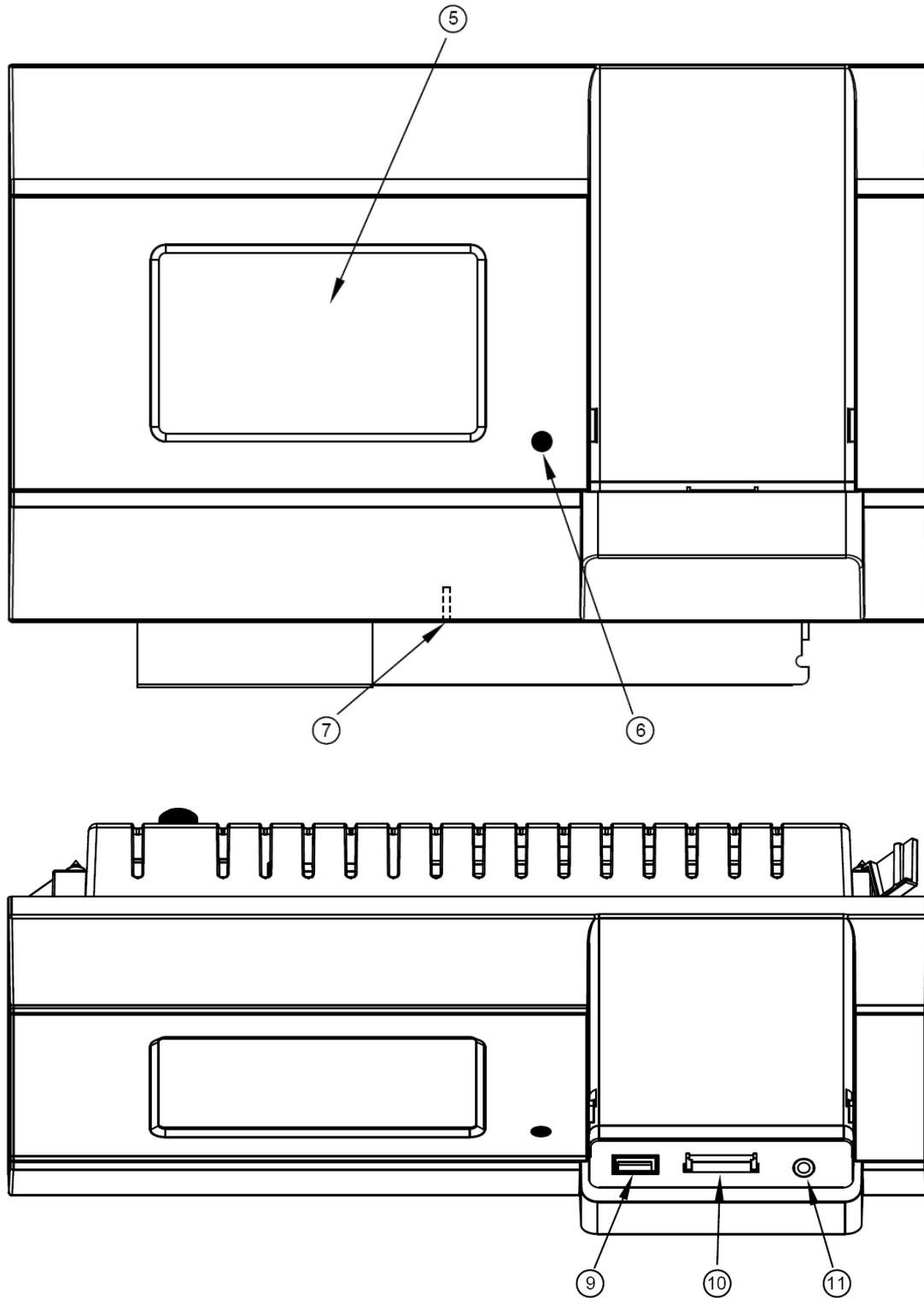
SERIAL	NAME	SPEC.	QTY
1	QUICK DISCONNECT TERMINAL	amplifier output	8
2	RCA CONNECTOR	audio output and input	1
3	ANTENNA CONNECTOR	FM Antenna connector	1
4	ANTENNA CONNECTOR	AM Antenna connector	1
5	LCD	LCD display	1
6	INFRARED RECEIVER	The infrared receiving window	1
7	RESET	Reset button	1
8	FASTENING-TAB	FASTENING-TAB	4
9	USB CONNECTOR	USB charging port	1
10	30 PIN CONNECTOR	iphone and ipod jack	1
11	3.5mm JACK	audio input	1

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4   I600 Explosion diagram
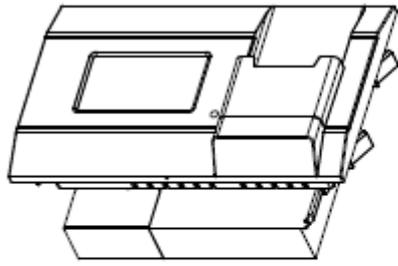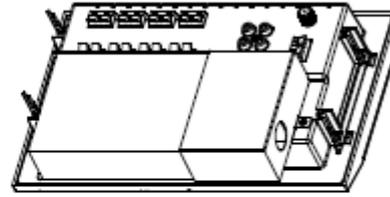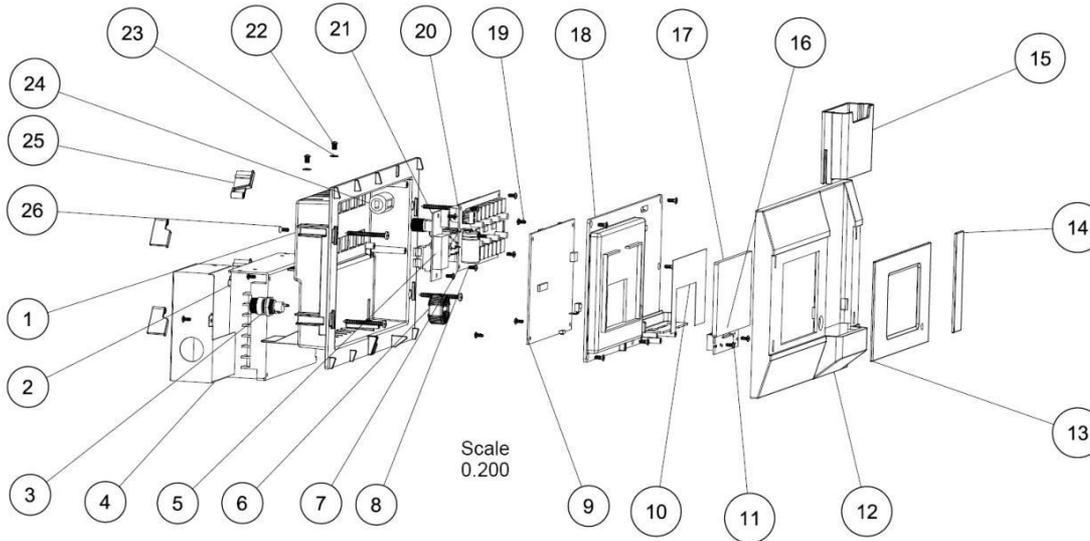
| SERIAL	NAME	SPEC.	Material	QTY
1	BOTTOM-HOUSING	Color:Snow White,Finish:MT10010	ABS	1
2	POWER-SUPPLY	12V 8.5A RoHS		1
3	FUSE	ROHS		1
4	SHIELDER	thickness:0.5mm,finish:Blue zinc-plated	SPCC	1
5	4PIN-JACK	AV-CORE SOCKET		1
6	MAGNETIC-RING			1
7	AMPLIFIER-PCBA	ROHS		1
8	L6-SCREW	PHILIPS HEAD ST2.4X6MM STEEL(NI PLATED)	C1010	8
9	ICU-PCBA	ROHS		1
10	DOUBLE-SIDED-TAPE-FOR-LCD	3M9448A	3M9448A	1
11	30PIN	ROHS		1
12	TOP-HOUSING	Color:Snow White,Finish:MT10010	ABS	1
13	BIG-LENS	Finish:Snow White Paint	CLEAR PC	1
14	SMALL-LENS	Finish:Snow White Paint	CLEAR PC	1
15	MP3-STAND	Color: White,Finish:MT10010	ABS	1
16	USB-PCBA	ROHS		1
17	LCD	4.3"480 x RGB x 272 DOTS 262K COLORS 2.8V RoHS		1
18	HOLDER	Color:Snow White,Finish:MT10010	ABS	1
19	L6-SCREW	PHILIPS HEAD ST2.4X6MM STEEL(NI PLATED)	C1010	6
20	L38-SCREW	ST3.5*38mm Phillips and solt driver Binding head type A point,zinc-plated	FE20	4
21	AM-FM-PCBA	ROHS		1
22	MACHINE-SCREW	M3.0*5mm Phillips driver pan head Material:C1010	C1010	2
23	WASHER	ID3.2MM OD7.0MM THICK 0.5MM STAINLESS STEEL	STEEL	2
24	MAGNIC-RING-UF-70B			1
25	FASTENING-TAB	Color:Snow White,Finish:MT10010	PA66	4
26	L8-SCREW	ST2.6*8mm Phillips driver flat head type T point,finish:Ni-plated	C1010	6

5   I600-AMP assembly
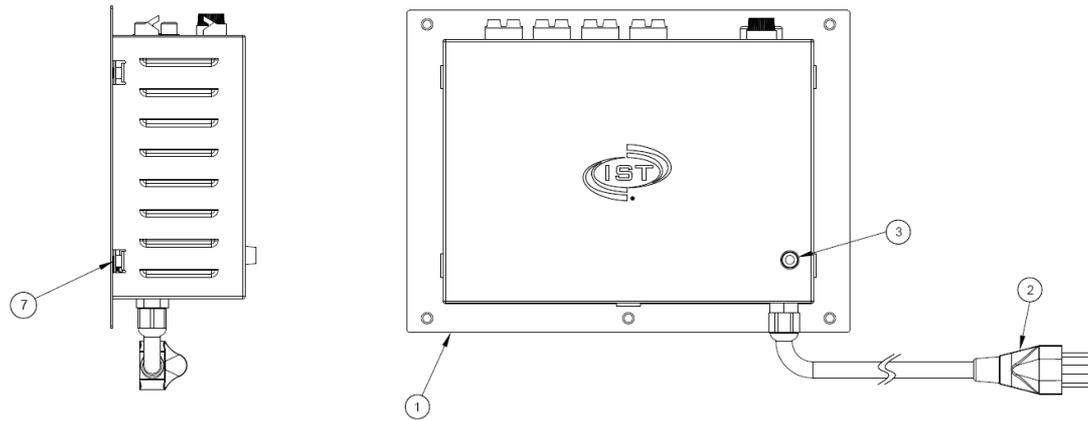
LEFT VIEW

FRONT VIEW
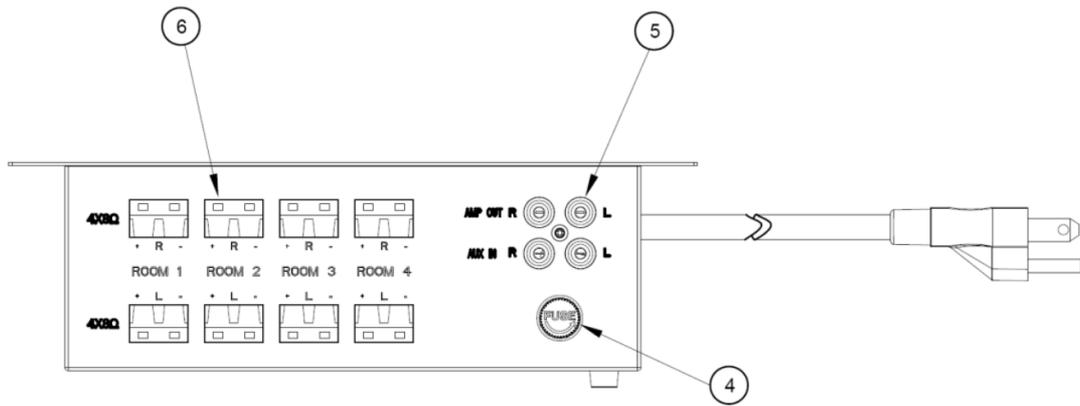
TOP VIEW

SERIAL	NAME	SPEC.	QTY
1	TOP-CASE	safegard,thermolysis	1
2	MALE-AC-POWER-WIRE	directly connect AC220V	1
3	LED	power light	1
4	FUSE	stop the flow of electricity	1
5	RCA CONNECTOR	audio output	1
6	QUICK DISCONNECT TERMINAL	amplifier output	1
7	BOTTOM CASE	safegard,thermolysis	1
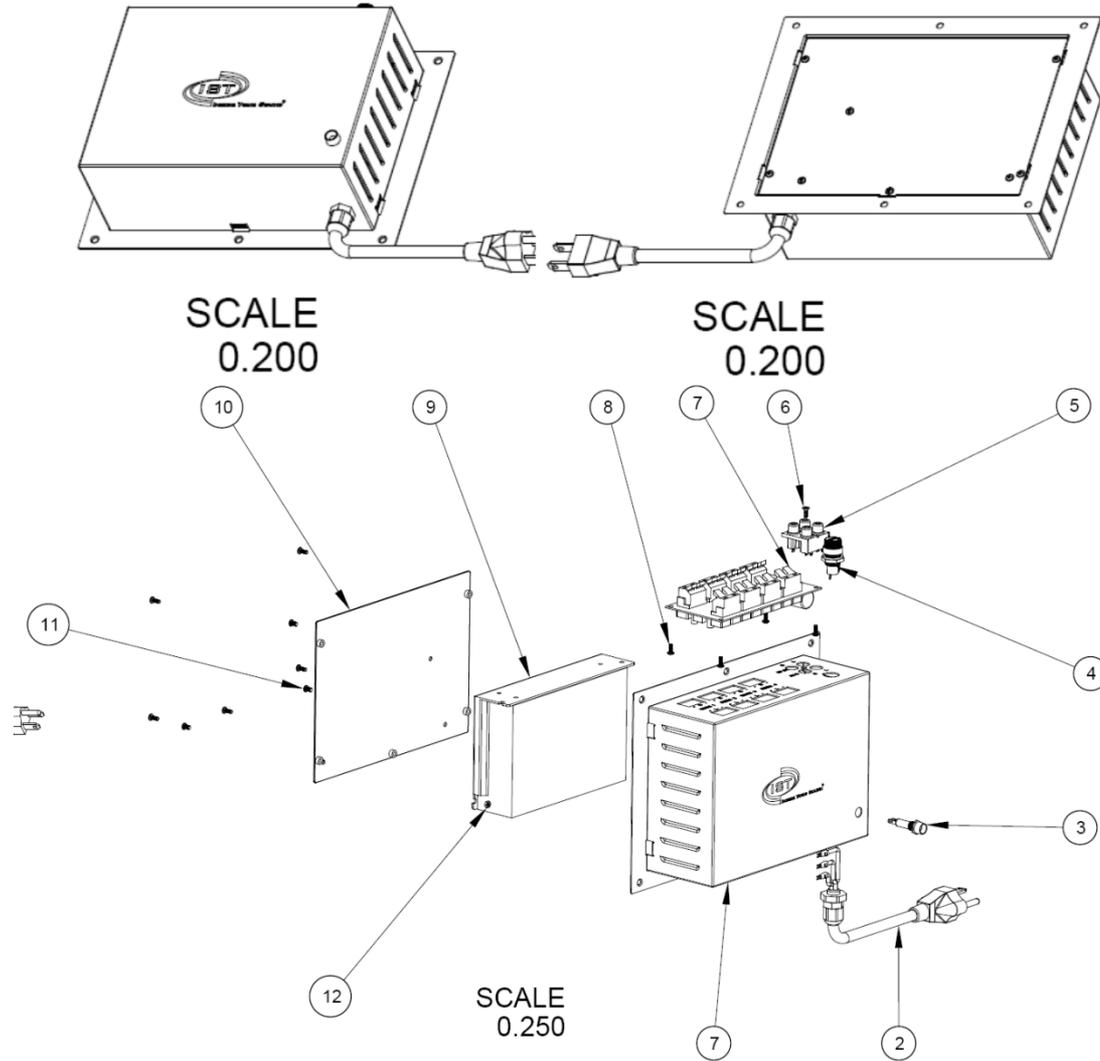
SERIAL	NAME	SPEC.	QTY
1	TOP-CASE	MATERIAL:SGCC THICKNESS:1mm FINISH:WHITE PAINT RoHS	1
2	MALE-AC-POWER-WIRE	L=2500+/-30mm D/N:P51634310-1 RoHS	1
3	LED	RoHS	1
4	FUSE	UL RoHS	1
5	RCA CONNECTOR	4 PORTS DIP RoHS	1
6	L8-SCREW	ST2.6*8mm Phillips driver flat head type T point,finish:Ni-plated	1
7	AMPLIFIER-PCBA	RoHS	1
8	L7-SCREW	M3.0*5mm Phillips driver pan head Material:C1010	9
9	POWER-SUPPLY	12V 8.5A RoHS	1
10	BOTTOM CASE	MATERIAL:SGCC THICKNESS:1mm FINISH:WHITE PAINT RoHS	1
11	MACHINE-SCREW	M3.0*5mm Phillips driver pan head Material:C1010	3
12	NUT	M3 RoHS	1

7   User Interface

7.1   Power On

After turning ON the I600 In-Wall Digital Stereo System the IST logo will display along with the software & the hardware version under IST logo.

7.2   Home Screen

The home screen is designed with icons and buttons for easy operation.

7.2.1 Buttons

Audio Source: Choose between (6) Audio Sources
Setting: Time/Language/Backlight/Backdrop/Touch Tone/Reset.
Mute: Mutes the audio

 Volume: Display or hides the bar. Volume bar +/- drag or press to for desired volume.

 Power Off: Turns the system OFF Press and hold the button for (2) Seconds,
            after pressing for (2) seconds it will prompt Yes or No.

Power On: To turn on the I600 Audio System Press and hold the blank screen for (3) Seconds.

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7.2.2 Icons

Bluetooth: After turning on the Bluetooth icon will display on the screen.

Alarm: Press to enable or disable the alarm

7.2.3 Time

AM/PM: 12-hour or 24-hour format

Time: Displays the Time & Day

7.3 Audio Sources

7.3.1 Buttons

Home: Return to the home screen.

Back: Returns to the previous screen.

Tuner: Enter the radio interface.

Bluetooth: Enter the Bluetooth interface.

MP3: Enter the MP3 interface .You should plug in the music by a 3.5mm audio cable.

iPod/iPhone Docking: Enter the iPod Docking interface. Or when you plug in the iPod or iPhone, that will be Auto into this interface also.

AUX: Enter the AUX interface .You should plug in the AUX music by the RCA connector.

USB: Enter the USB Player interface. When you plug in the USB flash disk or SD/TF card USB reader, it will be Auto into this interface also.

Mute: Set the system Mute.

Volume: Display the volume control bar.

Volume bar: click the button +/- or Drag the tag which on the bar, you can set the system volume.

7.3.2 Icons

Bluetooth: When the Bluetooth had been turn on, Bluetooth icon will be displayed.

Alarm: Turns on the radio at a programed time. When the alarm is enabled the icon displayed. Press to enable or disable.

7.3.3 Time

PM AM/PM: When the time format is 12-hour clock, there is an AM/PM icon.

18:30 Time: Display the Time, Day of Week & Date.

7.4 Tuner

7.4.1 Buttons

AM/FM: Changes the radio band.

Tuner</>:   Scans the radio frequency up and down, Long press to enables seek scan the radio stations.

EQ: Enter the Tuner EQ interface.

Preset: There are 6 buttons to select the Preset radio channel. Press and hold for (3) seconds to set the desired station.

Mute: Mutes the audio for any source.

Volume: Display the volume control bar

Volume bar: Click the button +/- or Drag the tag which on the bar, you can set the system volume.

7.5 **Bluetooth**

7.5.1 Buttons

    Bluetooth On/Off: Turns Bluetooth on and off
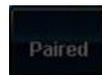
    Bluetooth Pairing: Activates the Bluetooth Pairing

    Bluetooth Controls: Play, Pause, Play Previous or Next songs.

    Bluetooth Volume: Controls the system volume for Device
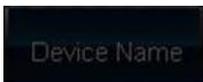
    Bluetooth Name: Allows you to the Device – Default Name is IST-600

    Equalizer: Allows you to adjust the EQ settings for Device

    Mute: Mutes the audio for any source.

7.5.2 Icons

Bluetooth: icon will be displayed once activated

7.5.3 Definitions

Disconnected Status:

Display the Status of the Bluetooth. It could be power on, power off, connected, disconnected or others.

IST-I600 Device name:

Display the current device name of the Bluetooth.

7.6 MP3
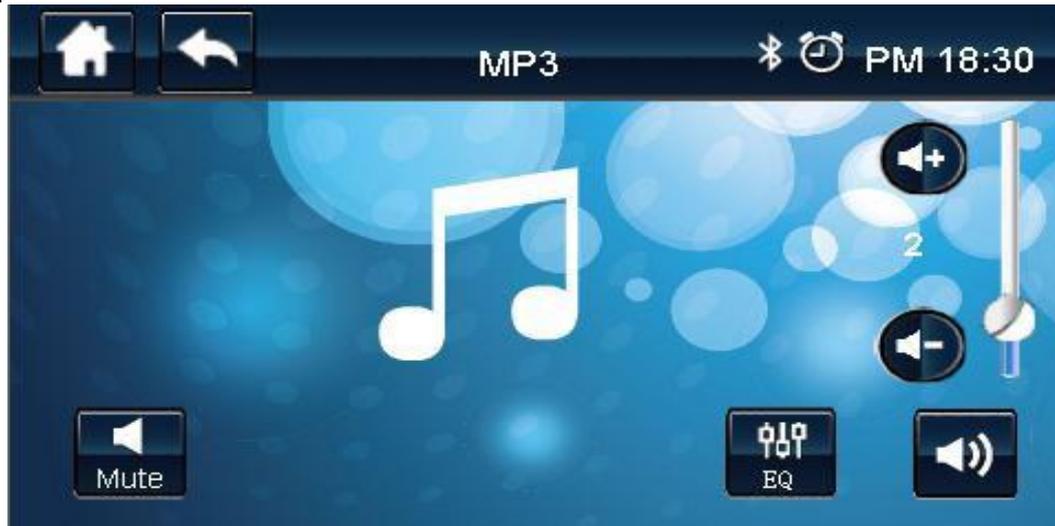
7.6.1 Buttons

Mute: Mutes the audio for any source.

Equalizer: Allows you to adjust the EQ settings for Device

Volume Bar: Increase or Decrease Volume by pressing the buttons or hold and slide

7.7 iPod Docking

7.7.1 Buttons

iPod/iPhone Controls: Play, Pause, Play Previous or Next songs

Equalizer: Allows you to adjust the EQ settings for Device

Volume Bar: Increase or Decrease Volume by pressing the buttons or hold and slide

7.7.2 Difinititions

No Device Device Status:

       Display the status of the Device, such as "No Device".

7.8 **AUX** **(An Auxilailiary Wall Plate Must Be Installed)**

7.8.1 Buttons

	Equalizer:	Allows you to adjust the EQ settings for Device
	Mute:	Mutes the audio for any source.
	Volume Bar:	Increase or Decrease Volume by pressing the buttons or hold and slide

7.9 **USB** **(This can be used for charging or playing must from a USB stick)**

7.9.1 Buttons

Previous: Play the previous music. Press and hold to fast rewind song.

Play/Pause: Play or pause the music.

Next: Play the next music. Press and hold to fast forward song.

Playlist: To see the playlist a USB stick with preloaded mp3 files needs to be inserted.

Equalizer: Allows you to adjust the EQ settings for Device

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7.9.2 Definitions

00:00/00:00 Play Time:

Display the play time of the music.

7.10 Equalizer

7.10.1 Buttons

Default: Set the default EQ.
Save: Save the EQ.

Note: There are 6 EQ settings for difference music input; they are for each EQ setting.

7.12 Setting

7.12.1 Buttons

Time &Date: Enter the interface of Time & Date Setting.
Language: Enter the interface of Language Setting.
Backlight: Enter the interface of Backlight Setting.
Backdrop: Enter the interface of Backdrop Setting.
Touch Tone: Enter the interface of Touch Tone Setting.
Reset All: Set all default system configuration, but not the Time &Date.

7.13 Time & Date

7.13.1 Buttons

Set Date: Press to set the year, month, day.
Set Time: Press to set the hour, minute.

Alarm Enable/Disable:
                    Highlight means Enable, Grayed means disable.
12/24 hour clock: Change the time format.
Save: Save the Time & Date after you set that.

Tuner Up: upper the Time & Date.

Tuner Down: lower the Time & Date.

7.13.2 Definitions

Year/month/day/hour/minute:

                Display the Time & Date changing.

7.14 Language

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7.14.1 Buttons

English: Select the English language.
French: Select the French language.
Spanish: Select the Spanish language.
Chinese (Si): Select the Simplified Chinese.
Chinese (Tr): Select the Traditional Chinese.
Save: Save the Language Setting.

7.15 Backlight

7.15.1 Buttons

OFF: Shut off the backlight.
LOW: Set the backlight brightness low.
MEDIUM: Set the backlight brightness medium.
HIGH: Set the backlight brightness high.
Enable: Enable the backlight auto-shutoff.
Disable: Disable the backlight auto-shutoff.
Backlight Time Select: Select the time for shut off the backlight.
Save: Save the Backlight Setting.

7.15.2 Definitions

Screen Brightness: Backlight Brightness Setting

Backlight Time: Backlight Time Setting.

7.16 Backdrop

7.16.1 Buttons

Save: Save the backdrop setting.

7.17 Touch Tone

7.17.1 Buttons

On/Off: Shut off touch tone or not.
Touch Tone: Select the touch tone.
Save: Save the touch tone setting.

I600 REMOTE Instructions

1. LCD – Turns on and off the display

2. MUTE – Mutes the sound

3. MP3 – Changes the source to the MP3 Hook up

4. DOCK – Changes the source to the IPod docking station

5. AUX – Changes the source to the Auxiliary Unit

6. USB – Changes the source to the USB connection

7. Volume **+** - Turns up the volume for the system

8. Volume **-** - Turns down the volume for the system

9. AM/FM – Changes the radio source from AM to FM and from FM to AM

10. BT VOL – Controls the Blue tooth volume only

11. BT – Changes the source for the Blue tooth

12. Tuner – Changes the source to the radio

13. Enter – After entering in a radio station number push enter to accept the number

14. ◀ - Scans down the radio stations

15. ▶ - Scans up the radio stations

16. Number Pad one to zero allows you to put a radio station number in and push the enter button when the I600 unit is in Radio mode.

17. Number Pad one to six allows you to press and hold one of the numbers to change a radio station to a preset radio station.