FILO

IN2UIT

Stylish Mobility：Bluetooth Acoustic Device

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions carefully.
2. Heed all warnings.
3. Install in accordance with the manufacturer's instructions.
4. Only use attachments/accessories specified by the manufacturer.
5. Clean only with a dry cloth.
6. Do not use or place this apparatus near water.
7. Do not install near any heat sources such as radiators, stoves, or other apparatus (including amplifiers) that radiate heat.
8. Protect the power cord from being trampled on, pinched or twisted at the plug & tail ends.
9. Unplug this apparatus during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel.
11. Servicing is required when the device has been damaged in any way.

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WARNING

➔ To reduce the risk of fire or electrical shock, do not expose this equipment to dripping or splashing and ensure that no objects with liquids, such as vases, are placed near the device.

➔ Be advised that different operating voltages and power sockets require matching adapters and plugs for your particular region.

➔ Always observe the local safety regulations.

➔ This device should be installed near the power outlet and disconnection of the device should be easily accessible.

➔ To completely power off the device, disconnect the power supply cord from the AC outlet.

➔ Do not place the device in a confined space with limited ventilation or blockage.

➔ Do not open, disassemble or tamper with the device as there is a serious risk of electric shock.

SERVICE

➔ There are no user-serviceable parts.

➔ All service must be performed by qualified personnel

CAUTION

➔ Users are advised that any tampering or modifications to the device that have not expressly stated in this manual could void your warranty

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, Pursuant to Part 15 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 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.

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, and (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CONTENTS

INTRODUCTION

Dear Audiophile,

Thank you for purchasing '**Filo**' by IN2UIT. Filo features hi-end tweeters using the proprietary SBESL (Self-Biased ElectroStatic Loudspeaker) acoustic technology that we refer to as **ELECTROSTATZ**™. The acoustic performance and reproduction are of the highest quality and level, revitalizing your many familiar sounding recordings into a new listening experience.

This advanced proprietary technology results from years of intense research and development. IN2UIT along with our US-based acoustic technology partner ENIGMAcoustics are one of the very few companies who have accessed, commercialized and realized this technology for the masses in designer styling. Each **ELECTROSTATZ**™ tweeter is constructed in state-of-the-art facilities using proprietary manufacturing techniques and equipment, cohering to rigorous standards and manufacturing processes. To reproduce the ultimate sound quality output from our devices, certain user requirements have been addressed in this owner's manual. By conforming to our tips and suggestions, you will achieve the maximum performance from the device. We wish you many years of enjoyment through Filo, our ultra-high performance Bluetooth mobile speaker.
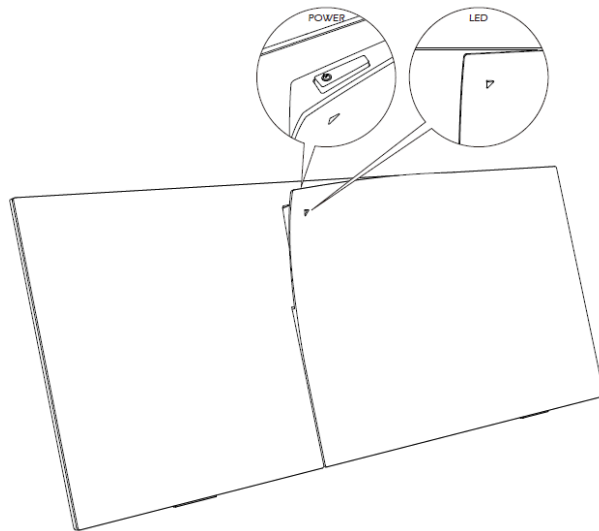
PACKAGE CONTENTS

- 1 x Filo - Bluetooth mobile speaker device.
- 1 x 5V / 1A DC power adapter (separated plug)
- 1 x mounting bracket
- 1 x rubber (LOGO)
- 1 x PE bag (include：4 x screws + 4 plastic screw sets)
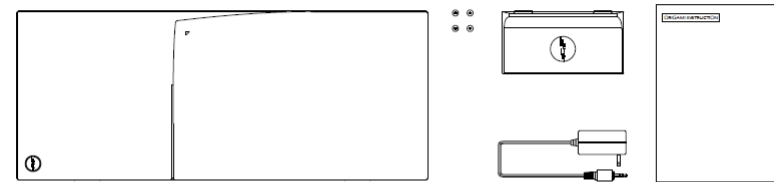
OVERVIEW

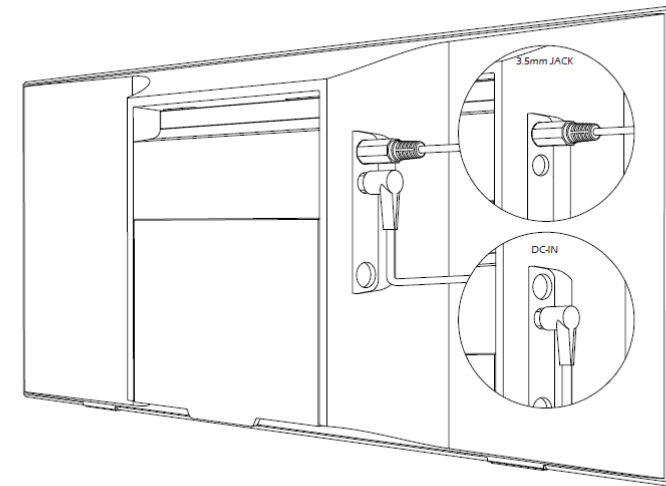### Front view

1. 1x Power / Bluetooth pairing button (Left inset picture)
2. 1x Power / Bluetooth LED indicator (Right inset picture)
3. 2x SBESL **ELECTROSTATZ**™ tweeters (LHS / RHS stereo sound)

Rear panel

1. 1x 3.5mm stereo input jack (Top inset picture)
2. 1x DC-in socket (Bottom inset picture)
3. 2x SBESL **ELECTROSTATZ**™ tweeter
4. 1x Wall mounting receptacle
5. 1x Flip-out stand

PLACING THE SPEAKER

Placing on your desktop

1. For desktop usage, flip out the stand to its fully extended position until you feel it engage and 'click' at the hinge. Place the speaker on a firm, level surface. Do not lay the speaker on its back during playback.
2. For best bass response, the speaker should be placed near a wall.
3. To avoid adverse sound quality, do not place the speaker in confined areas that are enclosed or block the sound wave dynamics.
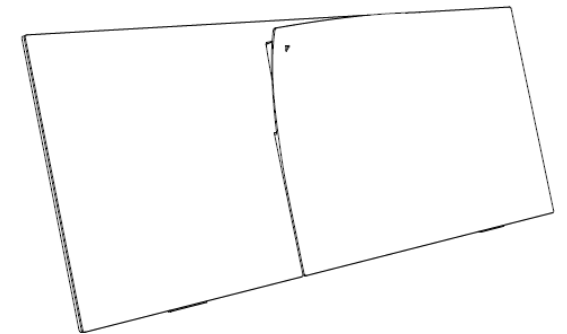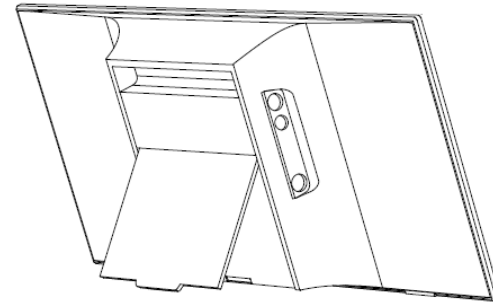
Mounting your speakers on a wall

**NOTICE:** Do not mount the wall bracket on surfaces that are not sturdy enough, or have hazards, such as electrical wire or plumbing, concealed behind them. If you are unsure about installing the wall mounting bracket, contact a qualified professional. Do not hang items from the brackets or speakers. The brackets were specifically designed to support the weight of 'Filo' only.

1. Separate the soft IN2UIT name plate from the mounting bracket
2. Place the mounting bracket in the desired location against the wall and mark the screw locations (x4) with a pencil, using the bracket as a template. Use a tape measure to measure the height from the floor to the marked holes and make sure they are level and equidistant. If you plan to feed wires through the wall, mark the pilot hole position first.
3. Insert plastic screw sets into the holes first. The screws are self-tapping, however if your wall surface is hard, like concrete, drill pilot holes to insert anchor plugs for the screws to engage with. Remember always measure twice
4. Secure the mounting bracket to the wall using the screws (x4) provided
5. Tighten the screws until flush with the flat surface. It is important not to screw in too tightly as the plastic mounting bracket could crack and damage
6. Peel off the double sided tape and stick the soft name plate onto to the recessed surface of the mounting bracket. Make sure it is square by first aligning the corners. The mounting bracket is now ready to use
7. Mounting operation is simple (see the picture inset), just align the mounting bracket protrusion with the square hole receptacle in the back of the unit. The two tiny hooks on the wall mounting bracket will engage with the matching holes in the receptacle. Make sure it is seated and engaged properly. It is a free hanging design, so you can attach/detach Filo at your convenience for either wall or desk mounted listening positions.
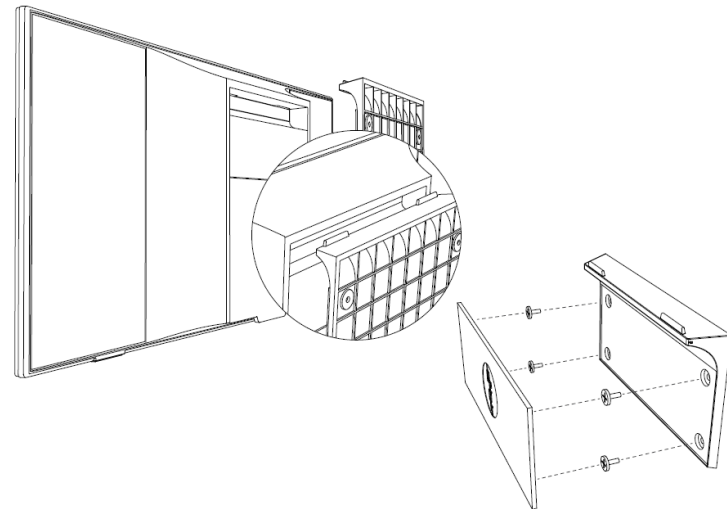
NOTICE: The **ELECTROSTATZ**™ tweeter panels, LHS & RHS, are dipole i.e. sound waves travel in both directions. To maintain the highest quality acoustic performance, never block the rear sound output area and always maintain at least a 3cm distance between the tweeter panels and the wall. The mounting bracket will automatically provided the clearance required

OPERATING

NOTICE: For safety purposes always turn off the main power switch when plugging or unplugging in the device**.**

Connecting the AC power
The universal power adapter that comes with Filo accepts multiple voltages (100-240V); however users are advised to check regional AC voltage supply and plug type before connecting to the power supply. Prior to connecting to the power supply, make sure the speakers are switched off first. Engage the male DC-in plug and female DC-in receptacle on the rear of the device. Turn on the speakers' power as indicated below.

Control button
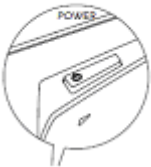
Action	Power On	Power On + Pairing	Re- Pairing (after power is on)	Power Off
Pressing Time	1.5 seconds	2 seconds	2 seconds	Instant off

Audio input through Bluetooth wireless connection

To begin pairing with a Bluetooth device

1. If the device is already turned on, press and hold the power button on the speaker for two seconds to pair both devices
2. If device power is off, press and hold the power button on the speaker for two seconds to both turn on and pair the speaker.
3. Enable the Bluetooth function on your music players (Apple, Android, MP3 etc.) and start the Bluetooth search for the device named as "**IN2UIT Filo**".
4. Choose and confirm the connection to "**IN2UIT Filo**" from your music player.
5. After successful connection, you are ready to play music from your player. Adjust the required volume on your music player for comfortable and non distorted playback. Maximum volume output may cause clipping on some type of music.

NOTICE: Pairing occurs when the two Bluetooth devices communicate with each other and establish a connection. A record of information about this connection is then stored in the memory of each device. Once you pair a device with the Filo speaker, you should not have to pair it again.

NOTICE: You may have to enter the password "0000" in order to connect Bluetooth device.

NOTICE: Filo support Bluetooth 2.1 with **apt-X** , but the device connected to Filo must support Bluetooth **apt-X** to enable Bluetooth **apt-X.**

Audio input from 3.5mm stereo jack

You can connect non Bluetooth enabled audio devices, such as a portable digital MP3 player, with Filo. This requires using an audio cable with a 3.5 mm stereo plug to connect with the 3.5mm jack input on the Filo system. A 3.5mm stereo cable, with plugs on both ends is required (not included in the package).

1. Make sure the speakers are switched off.
2. Connect the 3.5mm plug to audio source (e.g. MP3 player)
3. Connect the other 3.5mm plug end to Filo
4. Disconnect any Bluetooth connections
5. Play music from a player connected via the 3.5mm stereo cable.

NOTICE: Using higher quality cables will improve the sound quality and help Filo speakers realize their full potential.

NOTICE: the device connected to Filo must have volume control.

NOTICE: Automatic Power shutdown. If there is no Bluetooth connection or Line-in connection for over 10 minutes, the system shall automatically shutdown. User needs to power on the system for usage after automatic shutdown.

Portable operation

Filo is designed for mobile and convenient household usage as a wireless Bluetooth speaker. It can be easily removed from the wall mount bracket and placed on any flat surface. Filo can operate for up to 10 hours on a full battery charge. If battery capacity is running on empty, the speaker will alarm "DU" twice per twenty second to remind you to recharge the device.

NOTICE: battery protection. If you don't recharge the speaker in low battery situation, in a few minutes the speaker will automatic shutdown for battery protection.

Charging the battery

To charge the battery, plug the power adapter cable into the DC-in socket on the rear of the Filo speaker. Recommended charging time is 3 hours. When the speaker turned on, the LED indicator will flash twice every 5 seconds while the speaker is being charged, and the LED indicator will stop flash when fully charged. When the speaker turned off, the LED indicator will turn red while the speaker is being charged and the LED indicator will turn off when fully charged.

System status indicator table

LED Indication table

Table 1 status indication

LEDs	Status		
	BT Connected	**Pairing**	**Not paired**
Blue	On	Flash(0.5s)	On
Red	Off	Flash(0.5s)	On

Table 2 charging indication

	Status			The speaker turned off
	The speaker turned on			
	BT Connected	**Pairing**	**Not paired**	
Being charged	Blue-LED flashes twice every 5 seconds	No effect on	Blue-LED and Red-LED flash twice every 5 seconds	Red-LED on
Fully charged	No effect on led indicator display same as table1			Every light off

Beep indication table

Tones	Status				
	Power On	**Power Off**	**Connected**	**Disconnected**	**Low battery**
High	3rd	1st	1st		
Mid	2nd	2nd			
Low	1st	3rd		1st	$1^{st}+2^{nd}$
Actions	Low to high (triple)	High to low (triple)	High (once)	Low (once)	"Du" twice every 20 seconds

Optimization of audio performance

IN2UIT systems feature proprietary, leading edge Electrostatic Loudspeaker (ESL) technology that we call our **ELECTROSTATZ**™ tweeter technology. The ethereal acoustic characteristics provide the user with the highest class of audio playback. In order to maximize this performance, it is advised to read the following instructions:

1. **ELECTROSTATZ**™ tweeters are dipole transducers. This means the sound waves are transmitted from both sides of the diaphragm in opposite polarity. A dipole transducer produces one sound wave to the front and another sound wave to the rear.

2. When mounted on the wall brackets, the distance and clearance from the **ELECTROSTATZ**™ back plane to the wall is optimal. In other possible placement criteria, users are advised to keep a clearance of at least 3cm from any object that may cause blockage of the front and rear sound waves. A blockage less than 3cm to the rear of ESL speakers may result in the loss of sound pressure and less volume output.

3. When correctly positioned, for example, closer to the wall, the reflected ESL back sound wave can be amplified and help create a wider, deeper sound stage for more realistic acoustic performance. The result is life-like music reproduction previously unachieved in the market place of comparably sized audio systems.

TROUBLESHOOTING

Problem	Action
Speaker will not turn on (AC power)	• Make sure your system is connected to a working AC (mains) outlet.
Speaker will not turn on (battery power)	• Battery may be discharged – connect to working AC (mains) outlet to restore the battery to operational mode.
Paired Bluetooth device will not connect	• Turn the Filo speaker off and back on. • Remove the Filo speaker from the pairing list on your Bluetooth device pairing list (consult the device owner's manual for assistance). Then pair the device and the Filo speaker again.
Filo speaker indicates a connection, but is not playing music	• Turn off or disable Bluetooth on all other paired devices in the vicinity .Reconnect the device you want to listen to. • Turn the Filo speaker off and back on again.
Cannot pair the Filo speaker with my Bluetooth device	• Make sure your Filo speaker is discoverable. Press and hold the power button (two seconds) until the LEDs slowly flash. • Make sure the Bluetooth capability of your Bluetooth device is turned on. • Your Bluetooth device may be out of range – try moving it closer to the Filo speaker. • Make sure your Bluetooth device supports the transfer of audio. • Move your Bluetooth device and/or Filo speaker away from other devices that generate electromagnetic interference. Examples are cordless phones, microwave ovens, wireless network routers, or other Bluetooth devices. • If possible, turn off all other nearby Bluetooth devices. • Turn the Filo speaker off and back on. • Refer to the owner's guide, help system, or technical support for your mobile device to learn how it pairs with other Bluetooth devices.

	• Make sure your Bluetooth device is playing audio, and the volume is up.
No audio from a Bluetooth device	• Your Bluetooth device may be out of range – try moving it closer to the Filo speaker. • Turn the Filo speaker off and back on again.
Poor sound quality from a Bluetooth device	• Your Bluetooth device may be out of range – try moving it closer to the Filo speaker. • Move your Bluetooth device and/or Filo speaker away from any device that generates electromagnetic interference, such as another Bluetooth device, cordless phone, microwave oven, or wireless router. • Reduce the number of applications running on your Bluetooth device. Running multiple applications can reduce the amount of internal resources available to transmit audio. Closing non-essential applications may improve audio quality. • Try turning off Wi-Fi to improve audio quality. • Try un-pairing your Bluetooth device from the Filo speaker and then re-pairing the two. This action can possibly clear issues that might have occurred during initial device pairing. • Turn the Filo speaker off and back on

Problem	Action
No audio from the 3.5mm jack source	• Make sure your connected device is on and playing. • Make sure the 3.5 mm plug is fully inserted into the Filo speaker. • Increase the volume level on the device.
Poor sound quality from the 3.5mm jack source	• Reduce the volume level on the 3.5mm jack source. • Make sure the 3.5 mm plug is fully inserted into the Filo speaker

CARE AND MAINTENANCE

Components of the highest quality are used in **Filo**. This assures years of trouble free operation. The following precautions should still be strictly adhered to.

Cleaning

Use a specialized cleaning brush or vacuum cleaner (low setting) with nozzle attachment to clean speaker cloth and device. If you wish to use a cleaning agent, apply it onto the cleaning cloth, not directly onto the product. Test a small area first, as some cleaning products may damage the surfaces and materials. Avoid products that are abrasive, contain acid, alkali or anti-bacterial agents.

Recycling used products

This product is subjected to the European Union Waste Electrical and Electronic Equipment directive (WEEE), 2002/96/EC. This product must not be disposed of as unsorted municipal waste and must be collected separately and disposed according to your national regulations.

CONTACTING CUSTOMER SERVICE

For questions concerning the Filo wireless, mobile speaker, contact your local IN2UIT dealer. To contact IN2UIT directly, consult the contact information included with your Filo speaker or visit **www.IN2UIT.com**

WARRANTY

- The warranty only covers faults or defects in material and production. Damage caused as a result of abuse, misuse or tampering is not covered by the warranty.

- All warranty claims must be accompanied by a copy of the original filled out warranty document and certified by your dealer.

- Purchasing invoice and warranties are only valid in the country or market of original origin and distribution. Should warranty service be required, it must be arranged for in the country of purchase by an authorized dealer.

TECHNICAL SPECIFICATIONS

System	Two-way active speaker
	Bluetooth speaker with apt-X
Frequency Response (+/- 3 dB)	150Hz – 30kHz
Sensitivity (1m/1W on axis)	80dB
Power consumption	Idle: 1.8W / Max: 2W
Amplifier power	Tweeter: 2+2W / Woofer: 2W
Bass Principle	Closed
Crossover Frequency	1.6kHz
Crossover Slope	12db/Oct
Tweeter	**ELECTROSTATZ**™ ESL x 2
Woofer	52 mm PP cone
Weight (kg)	0.8
Dimensions (W x H x D) (mm)	440 X 182 X 62
Bluetooth Specification	Version 2.1 + EDR
Supported Bluetooth Profiles	A2DP
Bluetooth operating Range	Up to 10 meters
Battery	Li-Ion Polymer 3.7V, 1500mAh
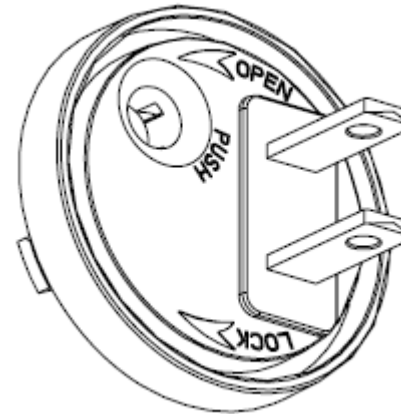
- Hold down the push button then rotate counterclockwise to open the plug from the adapter.
- Hold down the push button then rotate clockwise to lock the plug on the adapter.

APPENDIX

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FILO

Stylish Mobility：Bluetooth Acoustic Device

IN2UIT Inc.