ESTONE TECHNOLOGY 2A5N4 Dongle User Manual

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Contents [hide]

1 Introduction
2 Exploring Your Device
3 Device Layout
4 Wireless Communication
5 Product Care
6 Temperature & Humidity
7 Durability
8 Safety
9 Trouble Shooting
10 Contact US
11 Maintenance
12 Appendix A Compliance Information
13 Documents / Resources
13.1 References

Introduction

Welcome to your Dongle.

This product is primarily designed for sauna room control systems, consisting of a TempoFlex control panel and a

Dongle. The Dongle connects to the steam generator, while the TempoFlex control panel wirelessly transmits control signals to the Dongle to operate the steam generator.

To ensure the optimal performance of this product, please take the time to read this manual carefully.

Exploring Your Device

Package Contents

Please inspect all items. If any items are missing or appear damaged, please inform your dealer immediately.

Dongle Packing Contents	
Dongle	
Documents	Packing Lists, etc..

Device Layout

Front View

Item	Component	Description
1	LED light	Tri-color LED (R, G, B) White solid light when powered on Dongle Blue blinking durin g pairing Green solid light after successful pairing Green solid light with yellow blinking during data transmission
2	Screw hole	For wall mounting

Left-side View

Item	Component	Description
3	DC Jack	Functions as input (connects to DC power adapter)
4	4 PIN Socket Connect or	For charging and MCU firmware upgrades

Right-side View

Item	Component	Description
5	DC Jack	Functions as output (connects to Tempo Flex Panel for power supply)

Top View

Item	Component	Description
6	8 PIN Connector	For connection to steam
7	4 PIN Connector	For connection to Chroma driver box

Rear View

Item	Component	Description
8	Screw hole	For wall mounting

Bottom View

Wireless Communication

Supports US frequency 915MHz and European frequency 868MHz.

Product Care

Temperature & Humidity

General Use – Operating temperature
The recommended range for temperature and the humidity value for the device is as follows:

- **Operation temperature:** 0℃ to 60℃

- **Relative humidity**: 0% to 100%

Transportation and Storage
For transportation and storage, the recommended range for temperature and the humidity value for the device is as follows:

- **Temperature:** -20°C to 65°C
- **Relative humidity:** 10% to 90%

Transporting the Dongle Device

Disconnect all the cables from the Dongle while carrying the device.

When you transport the device for any reason, use the original casing and packaging materials. It is recommended to keep the original packaging materials for the Dongle.

If the device needs to be returned to Device Manufacturer for Warranty related issues or repair, it is beneficial that the original packaging or equivalent is used for shipping. Most shipping carriers require at least 2 inches of packing material around the device.

Durability

Water & dust Resistance: IP67
Drop Test: 1.2m Concrete Ground Drop Test: The Dongle remains fully operational.

Safety

The device contains no user serviceable parts. Do not open the case of the Dongle. Doing so will void the product warranty and may expose you to electrical hazards.

Using an antivirus program is strongly recommended. Software other than that which is pre-installed on the Dongle is installed at the user's own risk. External software could cause the Dongle to malfunction and might not be covered by the warranty. Any use of the Dongle outside the intended use and together with any third-party software or hardware that changes the intended use voids the responsibility of the device manufacturer.

IC warning:

This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) This device may not cause interference, and **(2)** This device must accept any interference, including interference that may cause undesired operation of the device.
The device has been evaluated to meet general RF exposure requirement.
The device can be used in portable exposure condition without restriction.

Trouble Shooting

In most cases, restarting your device will cure any problem. If this does not fix the problem, contact your supplier. Please have your serial number ready. This can be found on the back of your device.

You are recommended to check your device at a year basis for better performance. You may contact us for assistance.

Contact US

Factory Name: Estone Technology LTD
Address: 2F, Building No.1, Jia'an Industrial Park, No.2 Long Chang Road, Bao'an, Shenzhen 518101, China.

Maintenance

Cleaning the device

Before cleaning the device, shut it down and unplug all cables. Use a soft, slightly damp lint-free cloth.
Avoid getting moisture in openings on the device. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, or abrasives to clean the device.

Disposing of the Device

Do not dispose of the device in general household or office waste. Follow your local regulations for the disposal of electrical and electronic equipment.

Appendix A Compliance Information

B1 FCC Statement

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.

Part 15B Equipment

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

Any changes or modifications not expressly approved by the manufacturer could void the user’s authority to operate the equipment. Modifications not expressly approved by Device Manufacturer could void the user’s authority to operate the equipment under FCC rules.

FCC RF Radiation Exposure Statement:

- This Transmitter must not be co-located or operating in conjunction with any other

antenna or transmitter.

- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for typical hand-held operations with the device contacted directly to the human body to the sides of the de-vice. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

This equipment complies with FCC/IC/EU RF radiation exposure limits set forth for an uncontrolled environment.

B2 CE Statement

This equipment complies with the requirements relating to electromagnetic compatibility, the essential protection requirement of Electromagnetic Compatibility (EMC) Directive 2014/30/EU on the approximation of the laws of the Member States relating to electromagnetic compatibility and Radio Equipment Directive (RED) 2014/53/EU to meet the regulation of the radio equipment and telecommunications terminal equipment.

B3 Directives and Standards

The Dongle complies with the following directives:

- Low voltage Directive 2014/35/EU
- Electromagnetic Compatibility (EMC) Directive 2014/30/EU
- Radio Equipment Directive (RED) 2014/53/EU
- RoHS2 Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- Reach Directive 2006/121/EC, 1907/2006/EC Annex 17
- Batteries Directive 2013/56/EU

The device has been tested to comply with FCC and other relevant standards for the intended markets.

Documents / Resources

	ESTONE TECHNOLOGY 2A5N4 Dongle [pdf] User Manual 2A5N4-DNGLE, 2A5N4DNGLE, 2A5N4 Dongle, 2A5N4, Dongle

References

- User Manual

ESTONE TECHNOLOGY 2A5N4, 2A5N4 Dongle, 2A5N4-DNGLE, 2A5N4DNGLE, Dongle, ESTONE TECHNOLOGY

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