

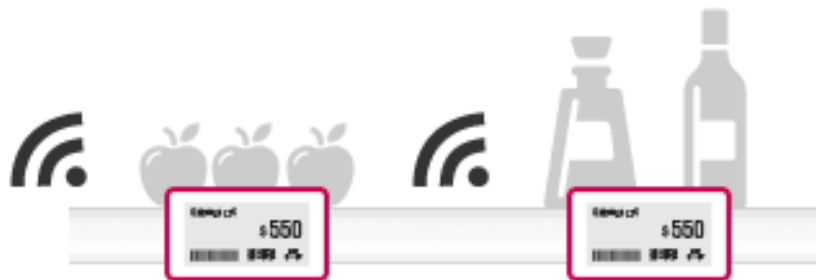
ESL Tag Controller

User manual

1. Overview

▪ Tag controller device provides customer with several functions as below

- ✓ Waking Tag up from sleep mode
- ✓ Updating new purchase image on Tag
- ✓ Deleting purchase image on Tag
- ✓ Returning a Tag to be factory settings

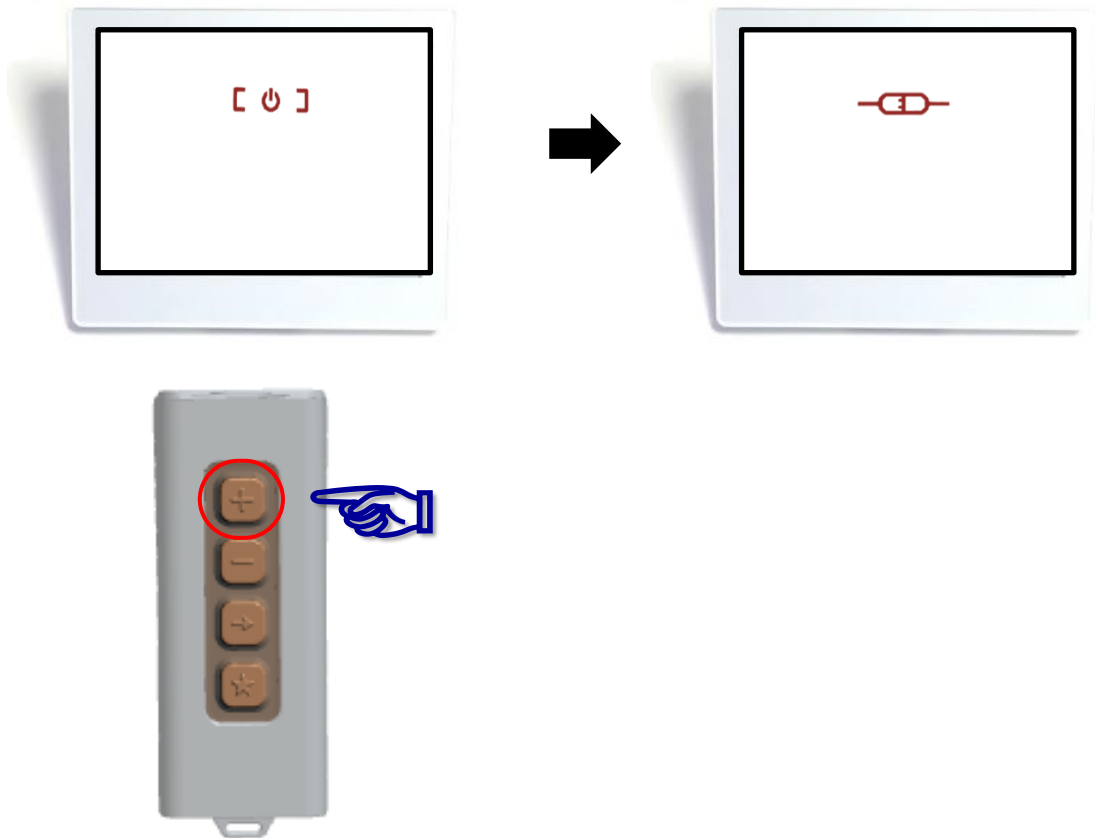


▪ Tag Controller description

Tag Controller	Symbol	Mode	Fucntion
		Registration	Match the Tag to Merchandise's Info.
		Delete	Delete the Tag from matched Info.
		Next	Change the stored Image
		Function	User Defined (ex. Stock Info.)

- ✓ LED On while HF Signal transmitting / Buzzer beeps for 0.2s
- ✓ IF the voltage level is lower than 2.2V, it will warn to user by LED blinking

2. Updating new purchase image on Tag



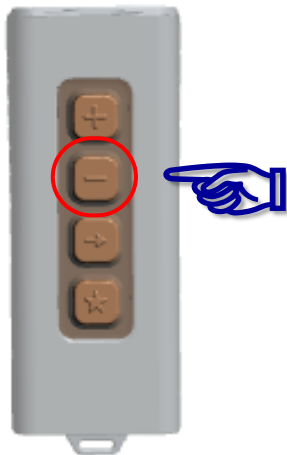
To change purchase information on Tag, perform the following steps :

1. Put Tag controller near center of Tag's display
2. Press and hold '**Registration**' button on Tag controller until red LED off (about 0.5 seconds)
3. When Tag is successfully received 'Registration' data from Tag controller, Tag's display will be changed to "**Connected**" for a few minutes. That means Tag hides purchase image to read Tag's IEEE MAC address through the Barcode scanner.
4. In NMS Client, download new purchase image to the Tag in registration status
5. When image downloading is finished successfully, Tag's display will be changed to new purchase image

Case1) If image downloading is failed, Tag's display will be changed to "**Busy**".

After "**Alive Time**", this Tag will be download new purchase image again

3. Deleting purchase information on Tag



To release(delete) purchase information on Tag, perform the following steps :

1. Put Tag controller near center of Tag display
2. Press and hold '**Release**' button until red LED off (about 0.5 seconds)
3. If Tag was received 'Reset' command from Tag controller, Tag will delete purchase information and Tag's display will be changed to "**Ready**"
4. After step.3, Tag goes to deep sleep mode and doesn't communicate with gateway until receiving 'Keep Alive' or 'Registration' data from Tag controller

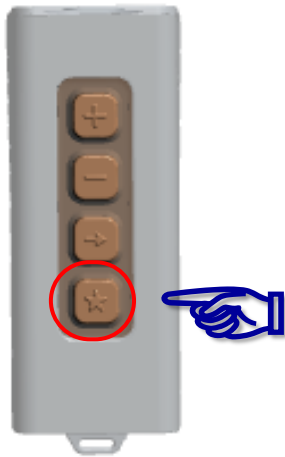
4. Change Next Image



To change the another saved image of Tag from former image, perform the following steps :

1. Put Tag controller near center of Tag display
2. Press and hold '**Next**' button until red LED off (about 0.5 seconds)
3. If Tag was received '**Next**' command from Tag controller, Tag's display will be changed to new image

5. Spare Button



This button is spare function.

Customer will assign this button for their needs. For example stock function, etc.

FCC Information

This device complies with part 15 of the FCC Results. Operation is subject to the following two conditions :

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment 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 correct the interference by one or more of the following measures:

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

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.