HANAM Artech

STARDUST2
User's Manual

1. Component

1) Basic Composition

Master mainframe

Antenna

### 2) Option Composition

Tablet PC

DMX512

Power Adapter

2. Name and Description

1) Front Panel
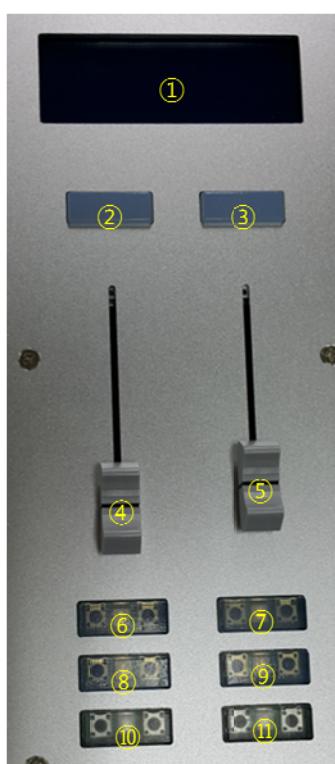
①Graphic LCD : Display Current Condition

②Left Switch : GLCD Transitions (Before)

③Right Switch : GLCD Transitions (After)

④Left Slide Knob : Brightness and Color Adjust

⑤Right Slide Knob : Change Mode

⑥ Brightness Switch : Left Slide Knob Function ON/OFF

⑦ Mode Switch : Right Slide Knob Function ON/OFF

⑧ DMX512 Switch : Master Operating Using DMX 512

⑨ Tablet Switch : Master Operating Using Tablet PC

⑩ LED Switch: Button on Front Panel LED ON/OFF

⑪ BLACK OUT Switch : Slave Black out

2) Back Side
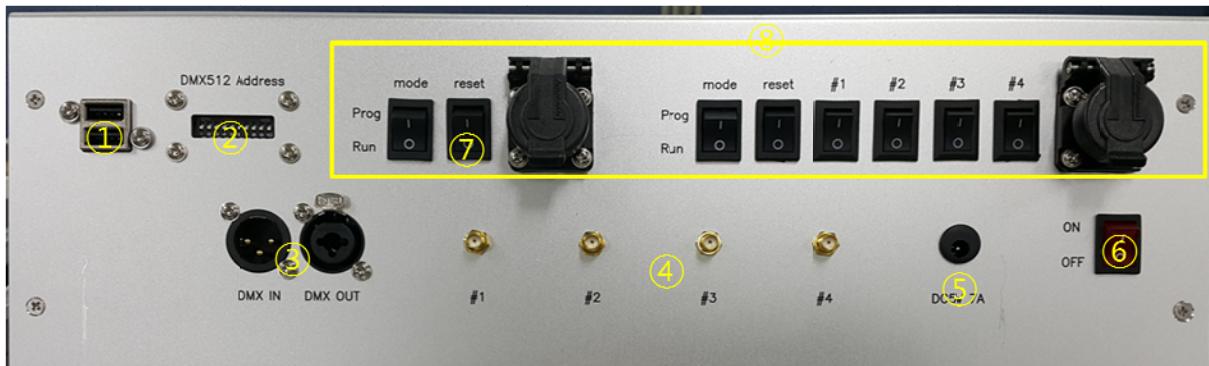
① TABLET PC PORT : Communicate with TABLET PC by connecting

② DMX512 Address Switch : DMX512 Address Function

③ DMX IN & OUT : XLR 3PIN socket Configuration

④ RF Wireless sockets : Radio Signal Transmission by connecting with antenna

⑤ DC Adapter socket : DC 5V 7A Power Input

⑥ Power ON/OFF Switch : Equipment ON/OFF Switch

⑦ RESET Switch : Equipment RESET Switch

⑧ Engineer Port : Engineer Port

3. Operating Mode

1) Console Mode

Applying power to product (The initial mode operates in console mode)

Left slide knob can change color. (Red, green, blue, white, sky-blue, yellow, and pink)

Right slide knob can change modes.

(0~84 : continue to light.

85~169: rapidly flashing.

170~255: gradually brightening until it reaches maximum brightness. After that, the bright will darken. It brightens again.)

2) DMX Mode

After applying power to the product, press DMX-512 switch.

While the GLCD "bright" is on, use the left slide knob to brightness of the light.

When "MODE" is on, channel 0 in DMX-512 unrelated, use left slide knob to change mode..

		0	0~84	Continue to light
Channel 0	mode	1	85~169	Rapidly flashing
		2	170~255	Repeating slowly brighten, or slowly darken

Mode 0

Channel 1 : All Brightness Control

Slave 1	2	RED COLOR LEVEL(0~255)
	3	GREEN COLOR LEVEL(0~255)
	4	BLUE COLOR LEVEL(0~255)
	5	DIMMER(0~255)
	6	Reserved channel

Slave 2	7	RED COLOR LEVEL(0~255)
	8	GREEN COLOR LEVEL(0~255)
	9	BLUE COLOR LEVEL(0~255)
	10	DIMMER(0~255)
	11	Reserved channel

Slave 3	12	RED COLOR LEVEL(0~255)
	13	GREEN COLOR LEVEL(0~255)
	14	BLUE COLOR LEVEL(0~255)
	15	DIMMER(0~255)
	16	Reserved channel

Slave 4	17	RED COLOR LEVEL(0~255)
	18	GREEN COLOR LEVEL(0~255)
	19	BLUE COLOR LEVEL(0~255)
	20	DIMMER(0~255)
	21	Reserved channel

Slave 5	22	RED COLOR LEVEL(0~255)
	23	GREEN COLOR LEVEL(0~255)
	24	BLUE COLOR LEVEL(0~255)
	25	DIMMER(0~255)
	26	Reserved channel

Slave 6	27	RED COLOR LEVEL(0~255)
	28	GREEN COLOR LEVEL(0~255)
	29	BLUE COLOR LEVEL(0~255)
	30	DIMMER(0~255)
	31	Reserved channel

Slave 7	32	RED COLOR LEVEL(0~255)
	33	GREEN COLOR LEVEL(0~255)
	34	BLUE COLOR LEVEL(0~255)
	35	DIMMER(0~255)
	36	Reserved channel

Slave 8	37	RED COLOR LEVEL(0~255)
	38	GREEN COLOR LEVEL(0~255)
	39	BLUE COLOR LEVEL(0~255)
	40	DIMMER(0~255)
	41	Reserved channel

Slave 9	42	RED COLOR LEVEL(0~255)
	43	GREEN COLOR LEVEL(0~255)
	44	BLUE COLOR LEVEL(0~255)
	45	DIMMER(0~255)
	46	Reserved channel

Slave 10	47	RED COLOR LEVEL(0~255)
	48	GREEN COLOR LEVEL(0~255)
	49	BLUE COLOR LEVEL(0~255)
	50	DIMMER(0~255)
	51	Reserved channel

Mode 1

Channel 1: Reserved channel

0~35	RED	35~71	GREEN	72~107	BLUE	108~143	WHITE	144~179	BLUESKY	180~215	YELLOW	216~255	PINK

Slave 1	2	COLOR SELECT(0~255)
	3	ON/OFF
	4	Reserved channel
	5	Reserved channel
	6	Reserved channel

Slave 2	7	COLOR SELECT(0~255)
	8	ON/OFF
	9	Reserved channel
	10	Reserved channel
	11	Reserved channel

Slave 3	12	COLOR SELECT(0~255)
	13	ON/OFF
	14	Reserved channel
	15	Reserved channel
	16	Reserved channel

Slave 4	17	COLOR SELECT(0~255)
	18	ON/OFF
	19	Reserved channel
	20	Reserved channel
	21	Reserved channel

Slave 5	22	COLOR SELECT(0~255)
	23	ON/OFF
	24	Reserved channel
	25	Reserved channel
	26	Reserved channel

Slave 6	27	COLOR SELECT(0~255)
	28	ON/OFF
	29	Reserved channel
	30	Reserved channel
	31	Reserved channel

Slave 7	32	COLOR SELECT(0~255)
	33	ON/OFF
	34	Reserved channel
	35	Reserved channel
	36	Reserved channel

Slave 8	37	COLOR SELECT(0~255)
	38	ON/OFF
	39	Reserved channel
	40	Reserved channel
	41	Reserved channel

Slave 9	42	COLOR SELECT(0~255)
	43	ON/OFF
	44	Reserved channel
	45	Reserved channel
	46	Reserved channel

Slave 10	47	COLOR SELECT(0~255)
	48	ON/OFF
	49	Reserved channel
	50	Reserved channel
	51	Reserved channel

Mode 2

Channel 1: Reserved channel

0~35	RED	35~71	GREEN	72~107	BLUE	108~143	WHITE	144~179	BLUESKY	180~215	YELLOW	216~255	PINK

Slave 1	2	COLOR SELECT(0~255)
	3	Increase/Decrease
	4	Reserved channel
	5	Reserved channel
	6	Reserved channel

Slave 2	7	COLOR SELECT(0~255)
	8	Increase/Decrease
	9	Reserved channel
	10	Reserved channel
	11	Reserved channel

Slave 3	12	COLOR SELECT(0~255)
	13	Increase/Decrease
	14	Reserved channel
	15	Reserved channel
	16	Reserved channel

Slave 4	17	COLOR SELECT(0~255)
	18	Increase/Decrease
	19	Reserved channel
	20	Reserved channel
	21	Reserved channel

Slave 5	22	COLOR SELECT(0~255)
	23	Increase/Decrease
	24	Reserved channel
	25	Reserved channel
	26	Reserved channel

Slave 6	27	COLOR SELECT(0~255)
	28	Increase/Decrease
	29	Reserved channel
	30	Reserved channel
	31	Reserved channel

Slave 7	32	COLOR SELECT(0~255)
	33	Increase/Decrease
	34	Reserved channel
	35	Reserved channel
	36	Reserved channel

Slave 8	37	COLOR SELECT(0~255)
	38	Increase/Decrease
	39	Reserved channel
	40	Reserved channel
	41	Reserved channel

Slave 9	42	COLOR SELECT(0~255)
	43	Increase/Decrease
	44	Reserved channel
	45	Reserved channel
	46	Reserved channel

Slave 10	47	COLOR SELECT(0~255)
	48	Increase/Decrease
	49	Reserved channel
	50	Reserved channel
	51	Reserved channel

3) TABLET Mode

After applying power to the product, press Tablet switch.

It operates in accordance to a signal of tablet.

When bright functions is on, left slide knob will allow to change brightness.

4)BLACK OUT Mode

After applying power to the product, press Blackout switch.

The light of slave will be turned off.

When you press the Blackout switch one more time, the mode will be back to previous mode.

5. DMX Setting

   1) Connect DMX line to IN&OUT socket.

   2) Use DIP switch to set address.

   3) After applying power to the product, verify address value on LCD screen.

   4) When change address value while the product is operating, reboot by using DIP switch with setting address.

6. Product Specifications

   RF Transceiver

- Single -chip 2.4 GHz RF Transceiver
- High Sensitivity of -99dBm at 250kbps
- Compliant to IEEE 802.15.4
- 4개의 출력은 각각 독립적이며 서로 영향을 주지 않는다.
- 사용자 채널 변경은 지원하지 않음.

   Clock Inputs

- 32MHz Crystal for System Clock

7. Instructions for Use

Related Power Supply

1) Use the supplied adapter

2) Do not use when damaged cord/plug, or a loose power outlet

3) Do not unplug with wet hands, or do not pull out of plug

4) Do not put heavy objects on the product or do not bent or break the power cord

5) Do not use with wet hands.

6) Do not disassemble the adapter

7) Do not drop the adapter or do not have a severe impact on the adapter.

Information about product

1) Do not move when power is on
2) Do not have a severe impact on the product
3) Do not use the product in rainy or humid weather in outdoors 4) Do not disassemble the product

8. Product Specification
Frequency Range : Send(TX) 2.4GHz
Exterior(mm) :
Weight :
The Transmission Output Power:

9. Label information

Model : STARDUST2
FCC ID : 2AGHESTARDUST2

Made in Korea
HANAM Artech

This device complies with part 15 of the FCC Rules. Operation is subject to the fol-lowing two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference re-ceived, including interference that may cause undesired operation.

FCC Information to User

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 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 con-nected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.