

USER MANUAL

INTRODUCTION:

IR learning device with 2 ports, Screen Control, 5SVA internal protocol built in and RS232 Central Control.

CONNECTIONS:

- 1. AST 5SVA: Connects to 5SVA protocol UMT/AST items
- 2. PIR OUT: 2 independent IR Emitter connections.
- 3. Power: External power input DC12V 300mA.
- 4. RS232: Used for update program and central control.
- 5. RELAY/SCREEN: Auto controlling screen.
- 6. SW1/Learning: Learning button for IR.

PANEL FUNCTIONS:

- 1. Volume indicator.
- 2. IR receiver.
- 3. Power On.
- 4. Power Off.
- 5. AUX control for relay in 5SVA or HUB.
- 6. Volume UP/DOWN.
- 7. Source select buttons.
- 8. IR1 learning.
- 9. IR2 learning

IR LEARNING:

- 1. Push OFF, turn off the unit then ON LED will light in orange.
- 2. Push SWI (Learning), then ON LED will slow flash light which means the unit is learning.
- 3. Select 1 or 2 button according to the IR you choose. 1 means IR1 learn, 2 means IR2 learn.
- 4. Place the IR Remote Control eye against IR receiver window, push button 1 or 2 then ON LED will light in fast orange flashes. It means IR learning signal had been received.
- 5. Selecting 1 or 2 will keep the learning signal on 1 or 2 then ON LED flash slowly.
- 6. By repeating stages 3 to 4 you can learn a second signal and so on.
- 7. Pushing again SW1 (Learning switch) will exit out of the learning mode.
- 8. Clear learning signal: in learning mode push and hold 1 and 2 button 3 seconds the all LED flash it means clear all learning signals.

RS232 DATA FORMAT:

Baud rate 38400

Head1:0x55, Head2:0xAA, key data(0x00-0x09), key command(0x00-0x07),data(0x00-0xff)

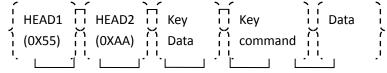
Key data 0x00-0x09: 0x00 is the "ON" button, 0X01 is the "OFF" button, 0X02 is the "AUX" key, 0x03 is the "V+" key 0x04 is the" V-" key 0x05 is the "1"key 0x06 is the "2"key 0x07 is the "3"key0x08 is the "4"key 0x09 is the "5" select key.

Key command: 0x00 send all IR data. 0x01 send only 5SVA data. 0x02 send only IR1 data.

0x04 send only IR2 data. Any combination of the three data is possible.

Data: ON OFF button in the Send Data command is the data for Lower and Raise time, Sending AUX key

Data 0 for AUX OFF and1 for ON.



TECHNICAL DATA:

POWER INPUT: DC12V 300mA

IR: TRANSMITTER & RECEIVER: 38K - 56K. MAX DISTANCE: 8M

Learning code:256 bit (32 byte)

