

CATALOGUE

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User's Manual of motorized In-dash

Caution

- I. Please read the manual carefully before operating in order to insure the goods chronically without any trouble.
- II. If there are some trouble, don't repair by yourself in case of suffering more scathe, please contact with the factory or native distributor to solve because the machine belongs to rigid electronic products.
- III. Monitor should be avoid of suffering humidity, dust, steam, lampback, direct beam of the sunshine.
- IV. Don't use detergent or other chemic preparation when cleaning the machine, please use the clean soft cloth.
- V. Avoid touching the surface of the monitor with rigid objects in case of scraping the surface.
- VI. Don't touch the monitor with nails or spiky rigid object when operating the touch panel, please touch it by being matched by touch pen.

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I. Features of the functions.

- I. Using High Resolution Digital Display is more clear and the color is more bright and the screen is more true than the simulate panel.
- II. In-dashed multi chromatic system (NTSC/PAL) on TV-tuner can be used in most country.
- III. VGA port can match with GPS and Car PC and the discrimating and display resolution is up to 1024*768.
- IV. In-dashed VGA and USB control can match with Car PC directly and most of operating system which is concluding Win9X, Win 2000, Win ME, WinXP, Win CE, Unix.
- V. Fully function can be operated by the remote and OSD display.
- VI. Fully motorized in-dash and auto upturn and adjust of up and down gently.

I. Specification of the features

- I. Type :EDTC18QEF
- II. Display mode 16:9
- III. Resolution 800X480 RGB
- IV. Pixel 0.06X0.18
- V. Valid display area 7 INCH
- VI. Brightness 400
- VII. Contrast 250
- VIII. View angle 40 degree in Horizontal
30 degree in Vertical
- IX. Working temperature 0-50 degree.

Part of Touch panel

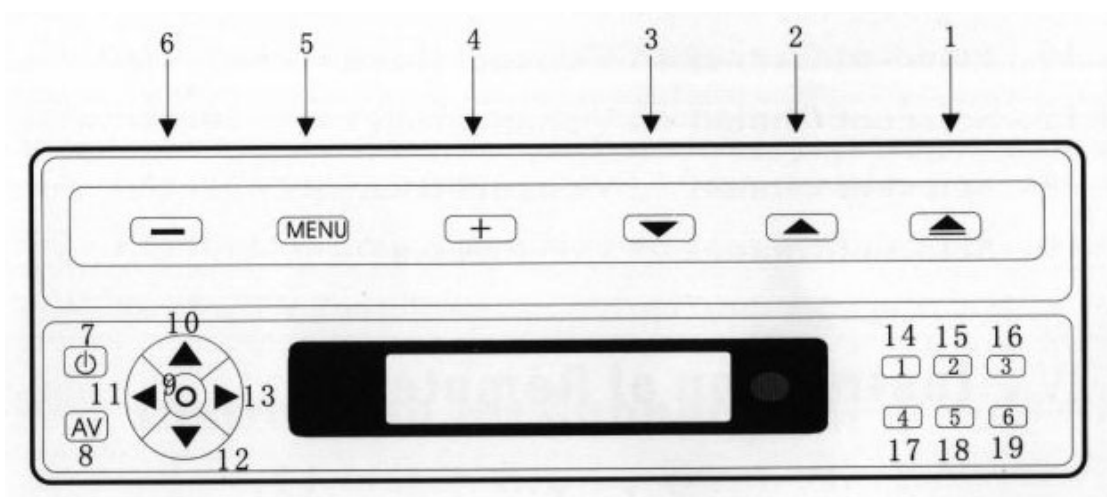
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- I. Type: Simulative 4 wire resistance;
- II. Thickness: 1.4 mm;
- III. Transparent Rate: 82%;
- IV. Rigidity of the surface: there are 2H-3H to prevent scraping;
- V. Linearity: < +/-1.5%;
- VI. Working life of signal dot: more than 5000 thousand times;
- VII. Operating Temperature: -10 degree to 50 degree;
- VIII. Operating humidity: 15% to 85%.

Part of TV

- I. Covering Range of the frequency: 84.25 MHZ to 903.25MHZ;
- II. Most sensitivity: 42 dB;
- III. Working temperature: -10 to +60 degree;
- IV. Relative humidity: <=95%;
- V. Input resistance of the antenna: 75 ohm;
- VI. Support Chromatic System: PAL/BG, PAL/DK, PAL/I, NTSC M/N.

III. Instruction of the Panel Key



- 1. OPEN/CLOSE: Key of open and close;

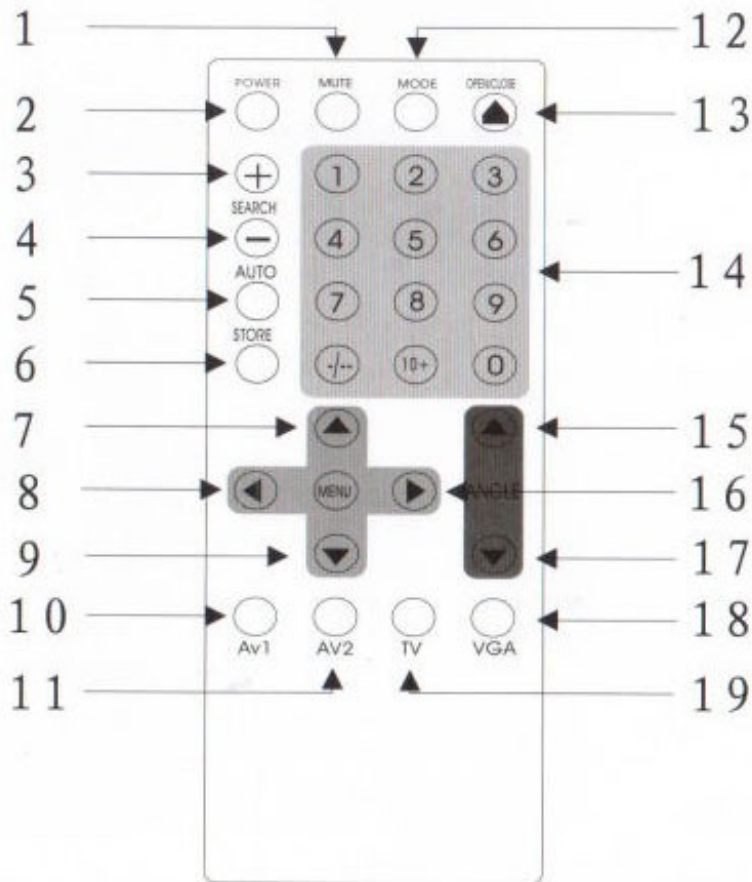
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- 2. UP: Key of turn up;
- 3. DOWN: Key of turn down;
- 4. - : Reducing key of Sminulate;
- 5. MENU: Menu;

- 6. + : Increasing key of Sminulate;
- 7. POWER: Power;
- 8. AV/TV: AV/TV Switch;
- 9. HOUR/MINUTE: Hour/Second Switch (adjust the time);
- 10. +: "+" Key (Adjust the time);
- 11. CH-: "-Channel (TV optional);
- 12. —: "—"Key (Adjust the time);
- 13. CH+: "+" Channel(TV optional);
- 14. Select of the channel (TV channel one);
- 15. Select of the channel (TV channel two);
- 16. Select of the channel (TV channel three);
- 17. Select of the channel (TV channel four);
- 18. Select of the channel (TV channel five);
- 19. Select of the channel (TV channel six);

IV.Instruction of the remote:

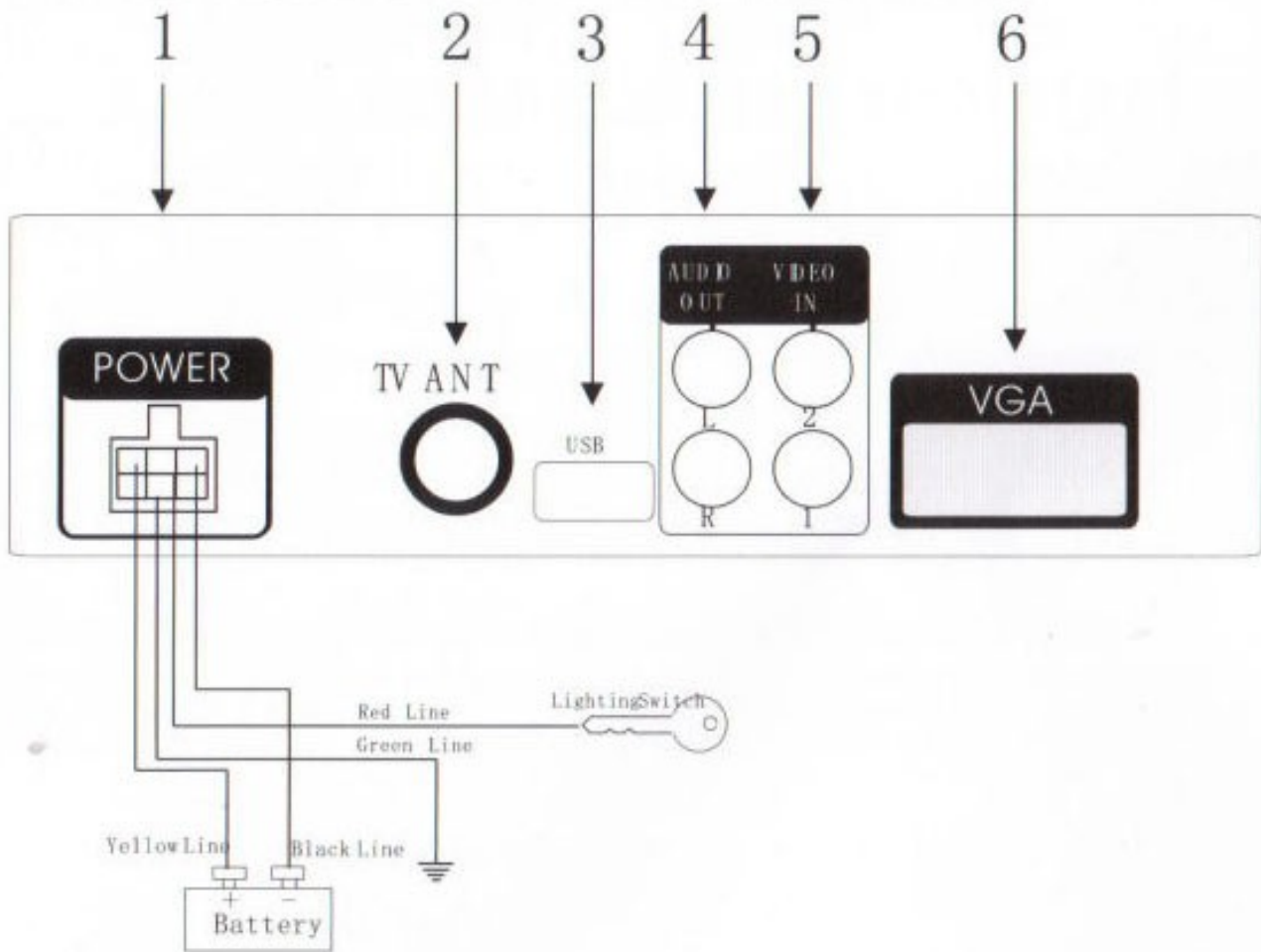
User's Manual of motorized In-dash



- | | |
|----------------------------|-------------------------------|
| 1. Mute; | 2. Power; |
| 3. "+" for TV select; | 4. "-" for TV select; |
| 5. TV auto select; | 6. TV storage; |
| 7. "+" for Simulate; | 8. "-" for volume; |
| 9. "-" for Simulate; | 10. AV1 switch; |
| 11. AV2 Switch; | 12. Auto Switch for simulate; |
| 13. Key to open and close; | 14. TV select; |
| 15. Key for upping panel; | 16. "+" for volume; |
| 17. Key for Downing panel; | 18. Key for VGA Switch; |
| 19. Key for TV Switch; | |

V. Instruction for connection

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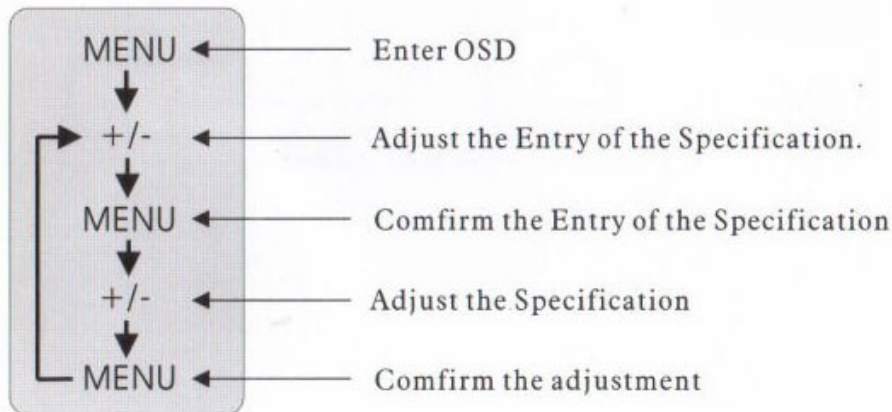


1. Input port for Power:
Black line is connected with GND;
Red line is connected with Control switch for lighting;
Green line is connected with control;
Yellow line is connect with “+” battery.
2. Input port for TV antenna:
Connect with exterior Car TV antenna;
3. USB port: Port of Touch panel control is connected with input port of Car PC USB;
4. Output port of TV audio: connect with power amplifier;
5. Input port of exterior audio: port one and port two;
6. VGA port: Connect with exterior port of PC display.

VI. Instruction of operation OSD:

I. Operation of the OSD

As follows



- I. Press the Menu key then enter OSD menu;
- II. Select necessary adjusting specification entry by pressing + or -;
- III. Confirmed by pressing MENU (Background of the relative specification entry in the OSD will become Green);
- IV. Adjust the specification value by pressing + or -;
- V. Confirm by pressing the MENU key after adjusting the specification then exit the adjustment of the specification. (The relative specification entry in the OSD will be renatural);
- VI. Quit the OSD MENU after adjustment.

II. Specification of the OSD

State of TV.AV:

BRIGHTNESS: adjust the brightness of the image;
CONTRAST: adjust the contrast of the image;
SATURATION: adjust the saturation of the image;
TINT: adjust the hue of the image (valid in NTSC);
SHARPNESS: adjust the definition of the image;
LANGUAGE: adjust the display languages of the OSD;
RESET: All the specification will come back to factory state;

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OSD H-POSITION: adjust the display horizontal position of the OSD in the monitor;

OSD V-POSITION: adjust the display vertical position of the OSD in the monitor;

OSD duration: adjust the durative time of the OSD;

EXIT OSD: Quit OSD;

STATE OF VGA:

BRIGHTNESS: adjust the brightness of the image;

CONTRAST: adjust the contrast of the image;

PHASE: Adjust the display time of the VGA;

CLOCK: Adjust the display time of the VGA (change the horizontal range of the image);

H-POSITION: adjust the display horizontal position of the image;

V-POSITION: adjust the vertical display position of the image;

RESET: All the specification should come back to factory state;

COLOR TEMPERATURE: Adjust the color temperature of the image;

RED: Adjust the plus of the RED signal of the image;

GREEN: Adjust the plus of the GREEN signal of the image;

BLUE: Adjust the plus of the BLUE signal of the image;

LANGUAGE: Adjust display language of the OSD;

EXIT OSD: Quit OSD.

VII. Port of VGA

Input port of VGA support follow display mode:

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ID	RESOLUTION	H FREQUENCY	V FREQUENCY	H/V POL	
0	640X350 (50Hz)	31.5KHz	50.0Hz	P	N
1	640X350 (60Hz)	31.5KHz	59.9Hz	P	N
2	640X350 (70Hz)	31.5KHz	70.1Hz	P	N
3	640X350 (85Hz)	37.0KHz	86.4Hz	P	N
4	720X400 (50Hz)	31.5KHz	50.0Hz	N	P
5	720X400 (60Hz)	31.5KHz	59.9Hz	N	P
6	720X400 (70Hz)	31.5KHz	70.1Hz	N	P
7	720X400 (85Hz)	37.7KHz	84.0Hz	N	P
8	640X480 (50Hz)	31.5KHz	50.0Hz	N	N
9	640X480 (60Hz)	31.5KHz	59.9Hz	N	N
10	640X480 (66Hz)	35.0KHz	66.7Hz	P	N
11	640X480 (72Hz)	37.9KHz	72.8Hz	N	N
12	640X480 (75Hz)	37.5KHz	75.0Hz	N	N
13	640X480 (85Hz)	43.3KHz	85.0Hz	N	N
14	800X600 (56Hz)	35.2KHz	56.3Hz	P	P
15	800X600 (60Hz)	37.9KHz	60.3Hz	P	P
16	800X600 (72Hz)	48.1KHz	72.2Hz	P	P
17	800X600 (75Hz)	46.9KHz	75.0Hz	P	P
18	800X600 (85Hz)	53.7KHz	85.0Hz	P	P
19	832X624 (75Hz)	49.7KHz	75.0Hz	N	N
20	1024X768 (60Hz)	48.3KHz	60.0Hz	N	N
21	1024X768 (70Hz)	56.5KHz	70.1Hz	N	N
22	1024X768 (72Hz)	57.7KHz	72.1Hz	N	N
23	1024X768 (75Hz)	60.0KHz	75.0Hz	P	P
24	1024X768 (85Hz)	68.7KHz	85.0Hz	P	P
25	1152x864(75Hz)	67.5KHz	75.0Hz	P	P
26	1280x960(60Hz)	60.0KHz	60.0Hz	P	P
27	1280x960(85Hz)	85.0KHz	85.0Hz	P	P
28	1280x1024(60Hz)	64.0KHz	60.0Hz	P	P
29	1280x1024(75Hz)	80.0KHz	75.0Hz	P	P
30	1280x1024(85Hz)	91.3KHz	85.0Hz	P	P
31	720X480 (60Hz)	15.7KHz	59.9Hz	N	N
32	720X576 (50Hz)	15.6KHz	50.0Hz	N	N

Use the Follow display mode according to the size of the monitor and actual test result:

ID	RESOLUTION	V FREQUENCY
1	640X480	72Hz
2	640X480	75Hz
3	800X600	70Hz
4	800X600	72Hz

VIII. Packing list :

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I.	Machine	1pcs
II.	Manual	1pcs
III.	Remote	1pcs
IV.	Connection of the VGA	1pcs
V.	Connection of the USB	1pcs
VI.	Drive CD	1pcs
VII.	Key	2pcs
VIII.	Power line	1pcs
IX.	Touch pen	1pcs