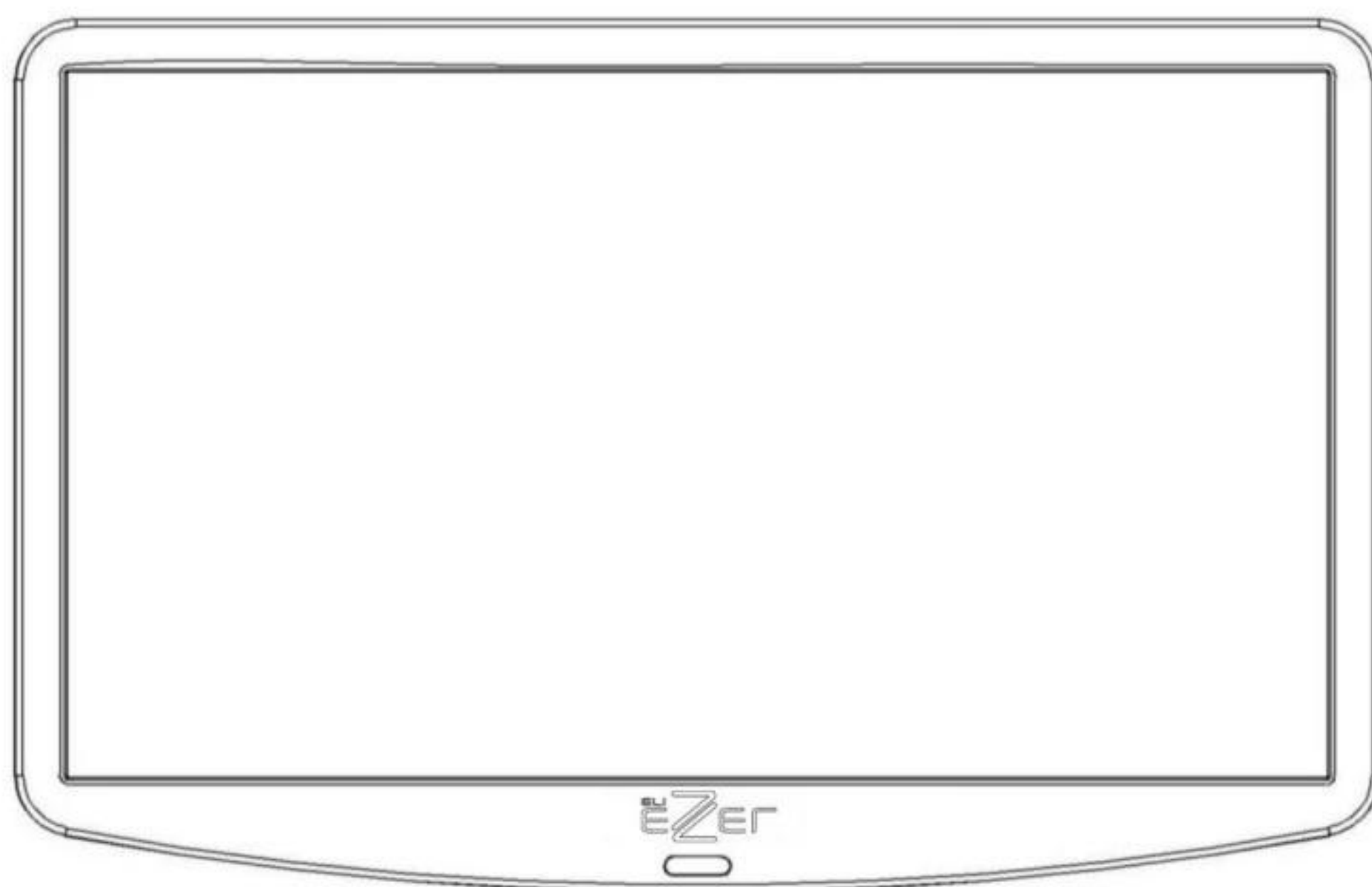




Operation Manual

LCD Chart EDC - 2600



IMPORTANT NOTICE

- **Intended Use**

EDC-2600 is a digital chart that provides necessary chart for visual acuity measurement and images for additional explanations.

The user can use the remote controller to show the desired chart and contents, and the program function allows the optometrist to select and display chart when measuring.

It provides a variety of basic charts for visual acuity measurement and aids such as binocular balance test, horizontal / vertical aniseikonia test, phoria test, and color vision test.

- **Classifications**

[Classification under the provision of 93/42/EEC(MDD)] Class I

The EDC-2600 is classified as Class I a device

[Form of protection against electric shock] Class I

The EDC-2600 is classified as Class I.

This product is always protected when you connect the power supply must be connected to ground included. Class I is a product in which the protection against electric shock does not rely on basic insulation only, but which includes an additional safety precaution in such a way that means are provided for the connection of the product to the protective (ground) conductor in the fixed wiring of the installation in such a way that accessible metal parts cannot become live in the event of a failure in the basic insulation. Use a power outlet which is equipped with a grounding terminal.

[Degree of protection against ingress of liquids] IPX0

The EDC-2600 is classified as IPX0

[Degree of protection against flammability]

The EDC-2600 is classified as a device not suitable to be used in a potentially flammable environment. Do not use near flammable materials

[Mode of operation]

Classification of EDC-2600 : continuous operation

- **Caution**

This product may malfunction due to electromagnetic waves caused by portable personal telephones, transceivers, radio-controlled toys, etc.

Be sure to avoid having objects such as, which affect this product, brought near the product.

It should be used under the supervision of medical staff of hospital

The information in this publication has been carefully checked and is believed to be entirely accurate at the time of publication. EDC-2600 assumes no responsibility, however, for possible errors or omissions, or for any consequences resulting from the No use of the information contained herein.

EDC-2600 reserves the right to make changes in its products or product specifications at any time and without prior notice, and is not required to update this documentation to reflect such changes.



“ Do not modify this equipment without authorization of the manufacturer.”
“ If this equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of equipment”

US Ophthalmic LLC

9990 NW 14 ST STE 105 Doral, FL 33172

All rights reserved.

This manual may not be copied in whole or in part without the prior written consent.

SAFETY INFORMATION

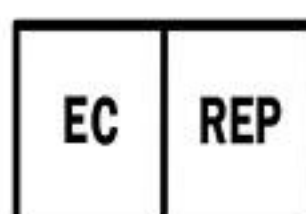
Accessory equipment connected to the analog and digital interfaces must be certificated according to the respective IEC/EN standards (e.g. IEC/EN 60950 for data processing equipment and IEC/EN 60601-1 for medical equipment).

Furthermore all configurations shall comply with the system standard EN 60601-1-2:2007. Everybody who connects additional equipment to the signal input part or signal output part configures a medical system, and is therefore responsible that the system complies with the requirements of the system standard EN 60601-1-1:2001.

If in doubt, consult the technical service department or your local representative.

For EU Countries

The following mark, the name & address of the EU Representative shows compliance of the instrument with Directive Council Directive 93/42/EEC of 14 June 1993 as amended by Directive 2007/47/EC concerning medical devices.



MDSS Medical Device Safety
Service Schiffgraben 41
30175 Hannover, Germany

SYMBOLS

Symbol	Description
	Alternating current
	General warning (find the Annex)
	Off
	On
	DO NOT dispose waste
	Manufacturer
	Manufacturing date
	Authorized Europe representative

General Safety Information

Follow the safety instructions on this manual when **WARNING** or **CAUTION** appears from the warning labels under. Ignoring the warning labels during the operation may cause injury or accident. Be sure to read and understand fully this manual before using the product. Keep this manual in easy-to-access place.

Warning for safety

 WARNING	It indicates fatal situations may occur which may result in injury or death.
 WARNING	It indicates fatal situations may occur which may result in personal injury or instrument malfunction.
NOTE	It contains significant information about installation, operation, basic safety and management. Please read to avoid incorrect operation.
 WARNING	Use this instrument within standard power requirements suggested on the plaque. Otherwise, fire or electric shock may occur.
 WARNING	All cables must be connected or disconnected after turn off the power. DO NOT touch cables with wet hands. This may result in serious injury or death due to electric shock.
 WARNING	Turn off the switch and disconnect the power cable from AC immediately, and <u>ask for help to the purchased store if followings occur:</u> ● In case of smoke, odor, and noise occur ● In case of spilling liquid or dropping metal in gap ● In case of dropping instrument or breaking case
 WARNING	DO NOT disassemble or modify the instrument. It may cause fire or electric shock. In addition, this instrument contains dangerous and high voltaged parts that may result in serious injury.
 WARNING	Keep the temperature of 10 °C ~40 °C and humidity of 30%~90% (In Operation)
 CAUTION	This instrument equipped grounded power cable. Connect it to grounded outlet always in order to reduce electric shock.
 CAUTION	<u>Be cautious dusts or metals go into the instrument.</u>
 CAUTION	DO NOT hold the cord to pull out the plug.

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1. Features

- For convenient and stable test, EDC-2600 guarantees clearer view with 24" FHD wide monitor and supports high-resolution display.
- Installation distance is 1.5m to 7.0m for the adjustment according to user's optometry environment, and can be installed and used at limited place by using mirror feature.
- A high-performance Polarizing filter allows Polar test in any installation distance.
- Contrast adjustment feature for contrast sensitivity test that eases visual acuity test for all patients, especially cataract patient, is available.
- Black-white reversal feature offers convenient test patients who had Lasik surgery.
- For prompt and accurate test, EDC-2600 is usable alone with remote control, and linkable to use with EDR.
- The latest program is available to update easily by using USB flash drive.

Instructions for use

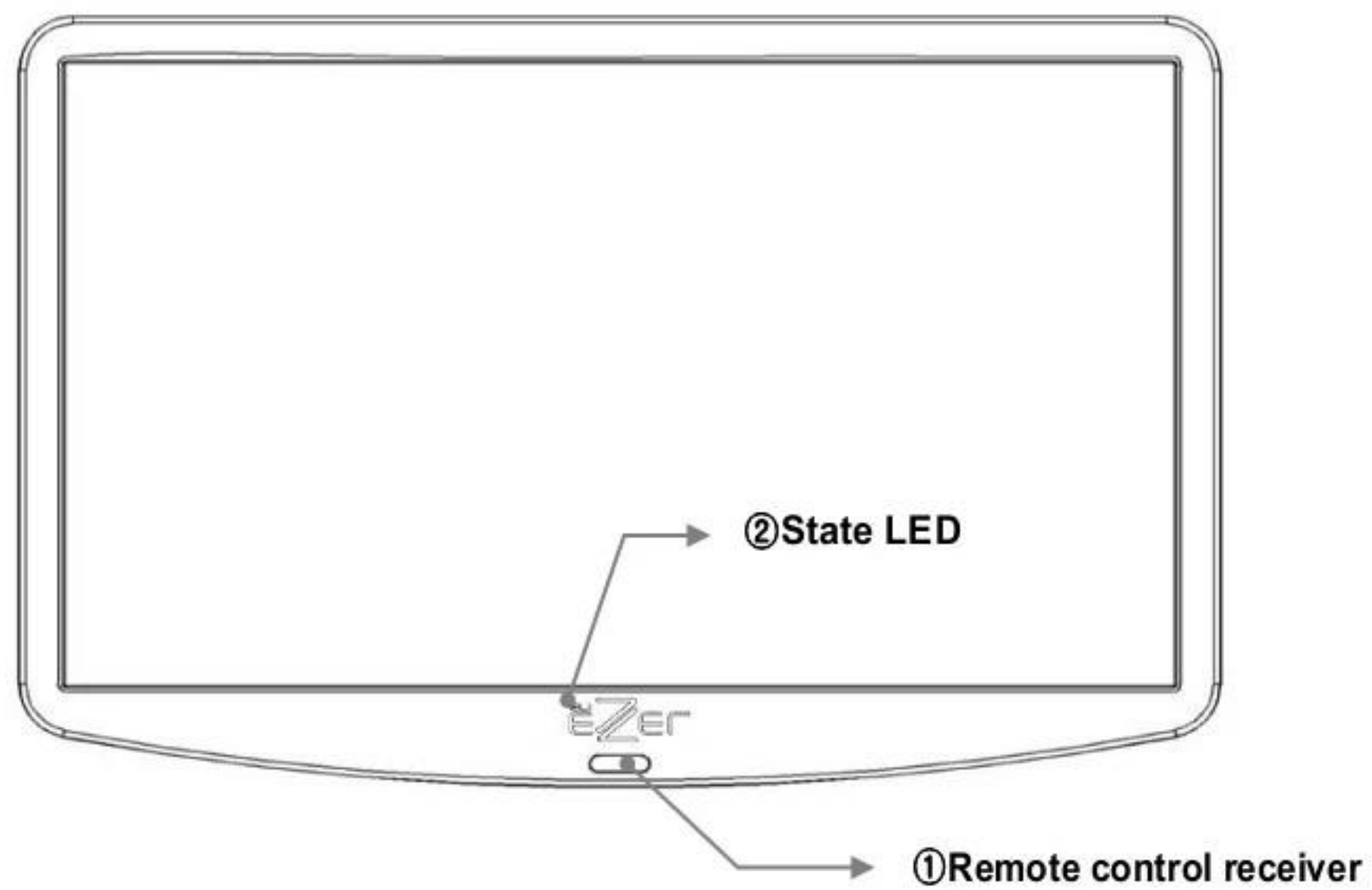
- Electromagnetic waves from mobile phones, radiotelegraphs, remote-controlled toys, etc., may cause malfunction on this product. Please keep any influential device away from this EDC-2600.
- All information on this manual confirmed thoroughly before publication. However, US Ophthalmic LLC., has no responsibility on any result from error, omission, or misuse of the information.
- US Ophthalmic LLC., has rights to modify the products or specifications without any prior notice, as well as not renewing modified information for this manual.
- Keep the temperature(10℃~40℃) and humidity(30%~90%) for normal operation.
- Avoid excessive shock or vibrate on the EDC-2600.
- In case of connecting EDC-2600 with another or moving, please follow the guides of technician or service agent. Please place it flat floor.
- Exterior lighting affects the test. Use the instrument in an appropriate optometry room.
- Keep the monitor clean to avoid incorrect measurement, and check the monitor before use.
- Shocks may bring internal or external damage. Handle it with care.
- DO NOT expose EDC-2600 to the bright indoor lights or direct sunlight.
- Keep inflammables such as alcohol, thinner, and other chemicals away from EDC-2600
- Turn off the power when EDC-2600 is unused for long time after the measurement.
- Install EDC-2600 on the properly grounded refractor table to reduce electric shock. Please separate junction box and converter box from external case in case of installation of EDC-2600 and EDR together on the unsuitable grounded refractortable.

2. Functions of each part

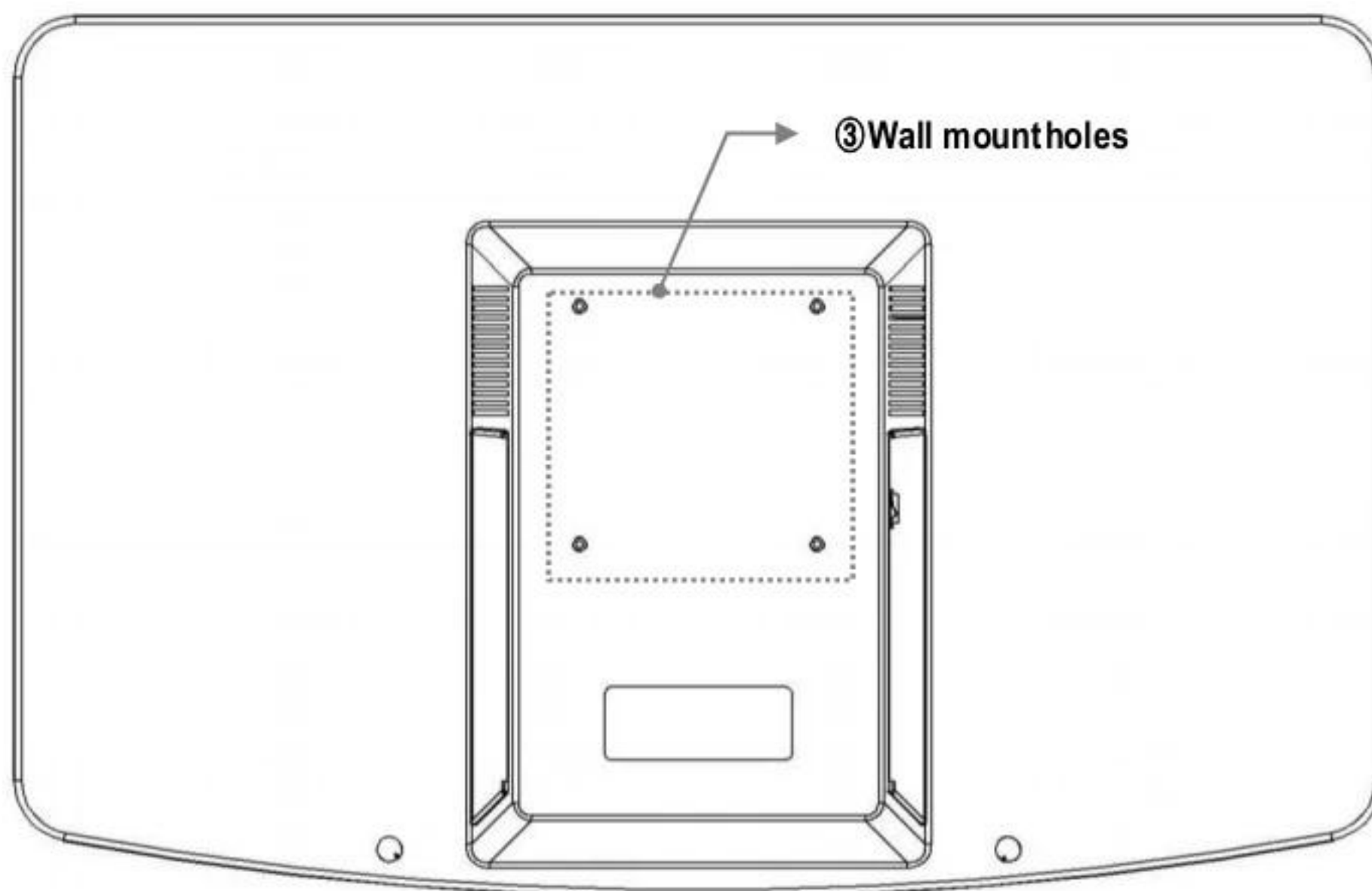
EDC-2600 is consisted of main body, cradle for wall mount, remote control, and accessories. Explanations and functions of each component are as followings.

2.1. Main body

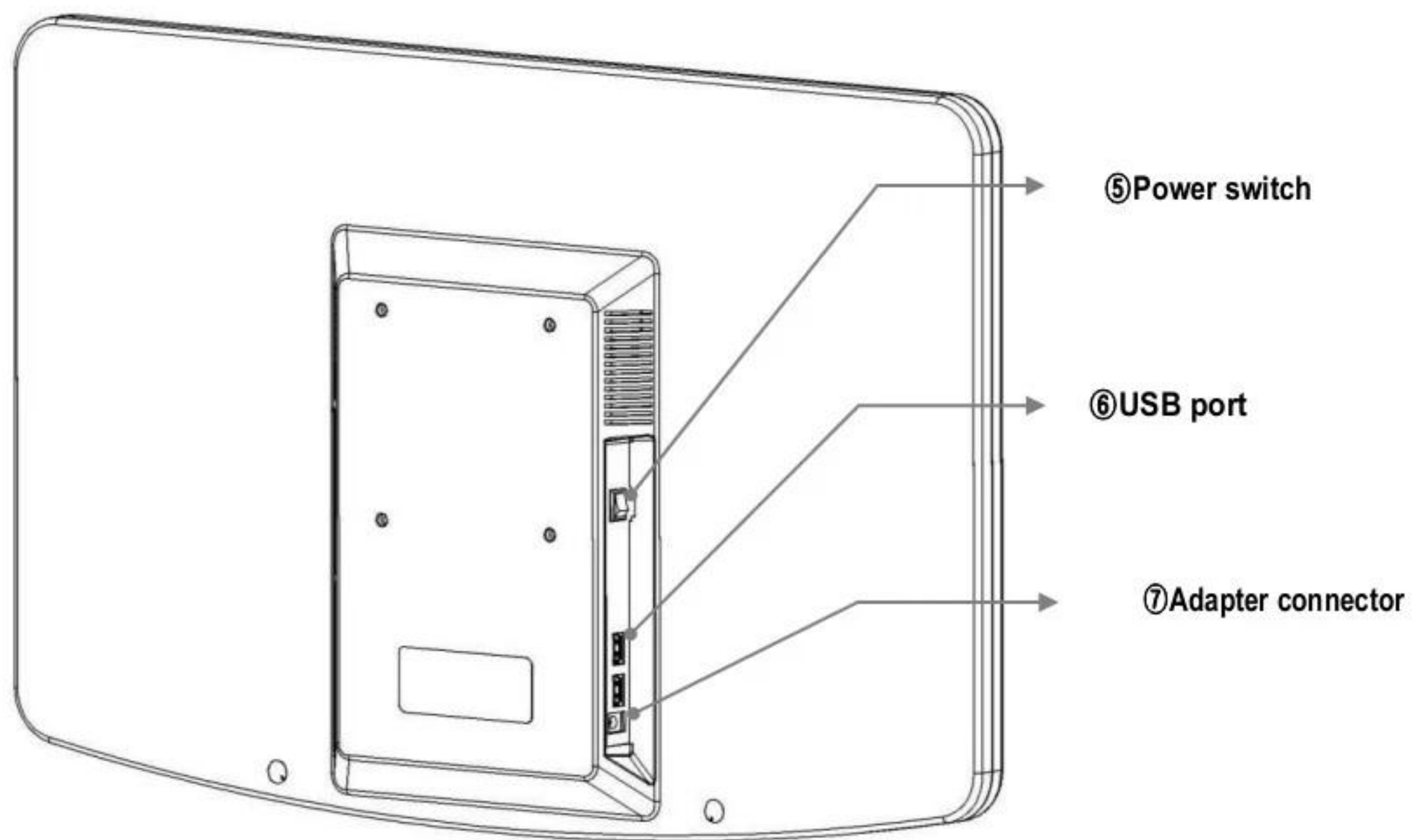
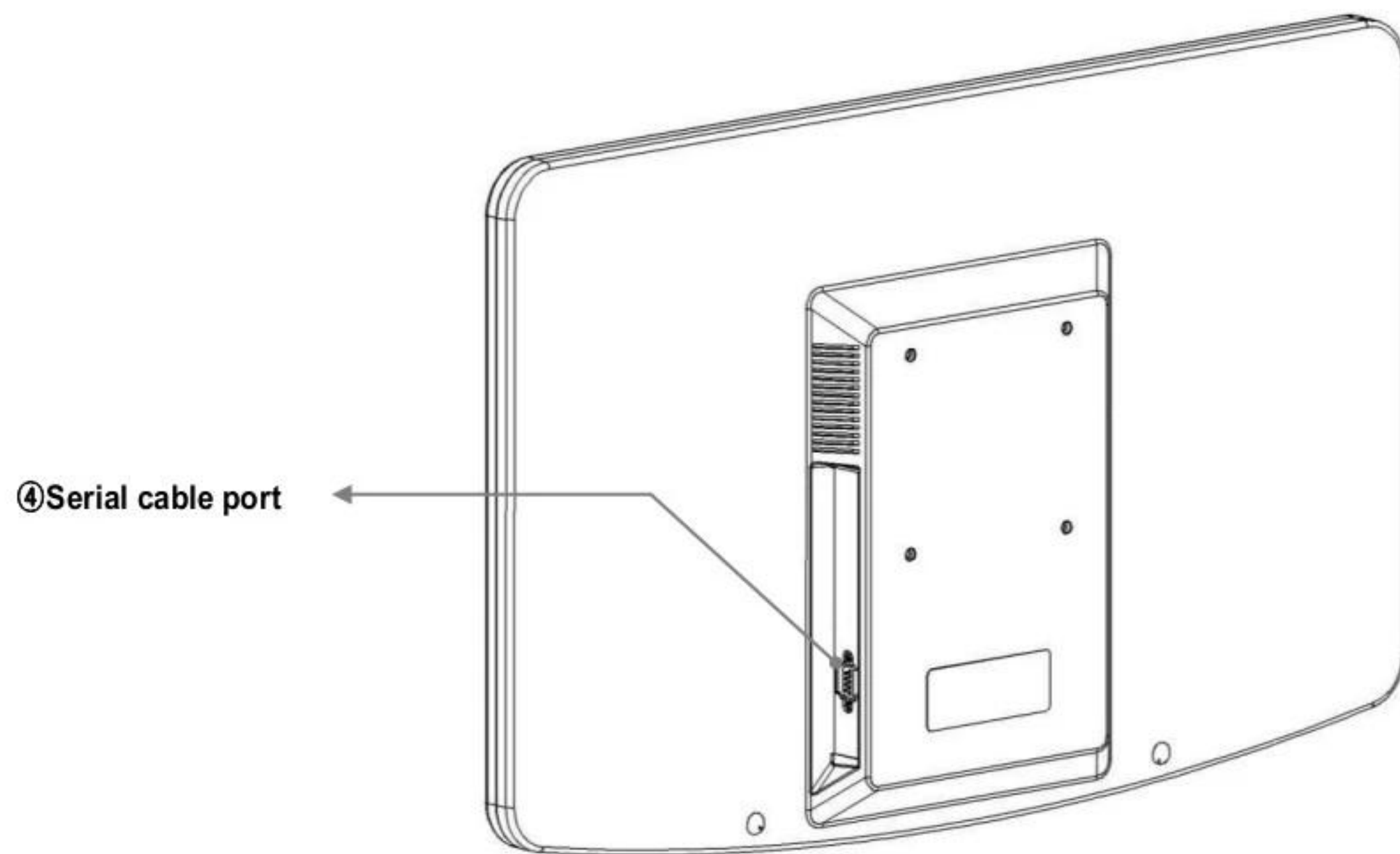
The main body of EDC-2600 is the most significant part, and installed on the cradle.



[Figure 1] Front



[Figure 2] Rear



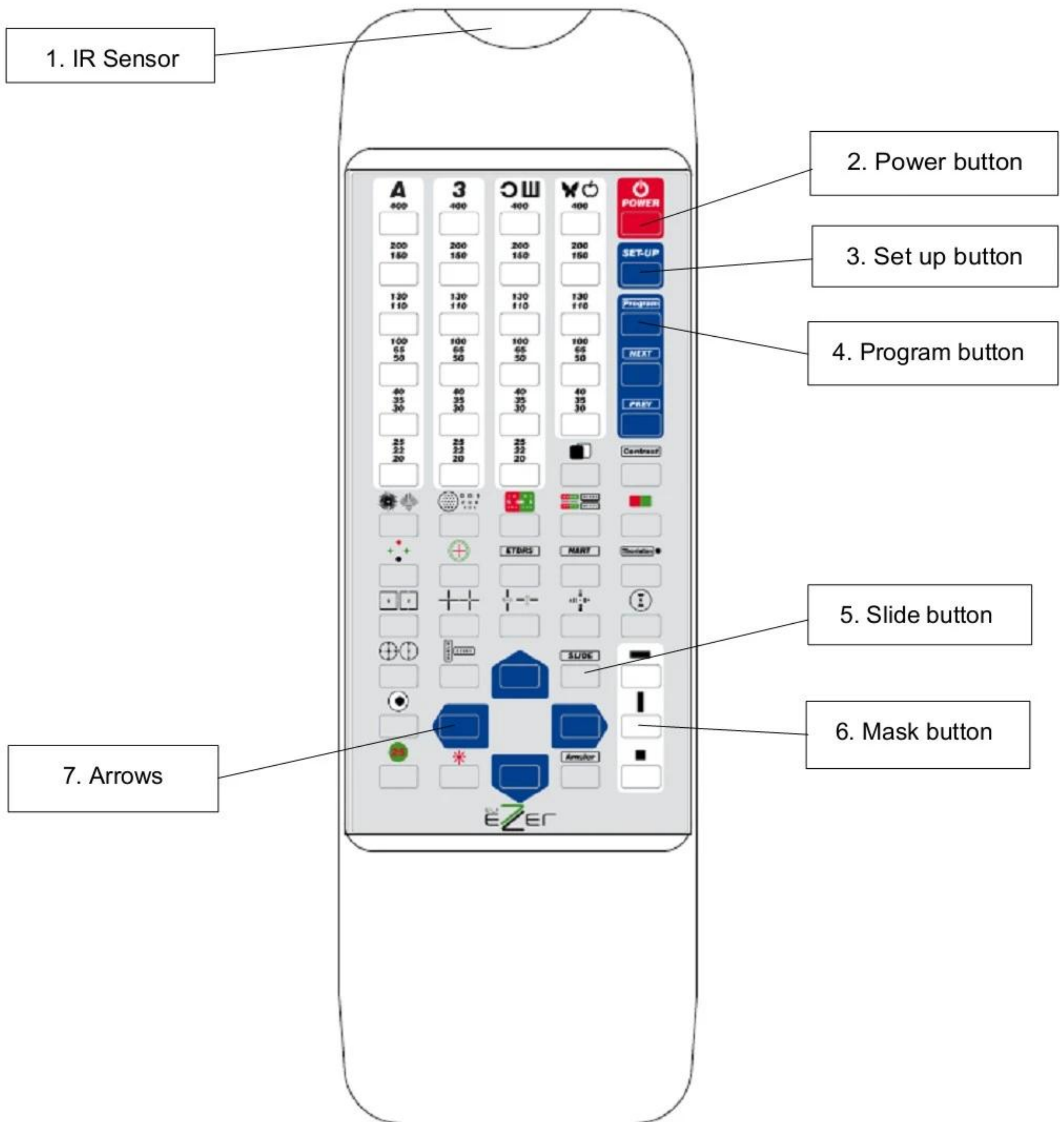
[Figure 3] Side I/O

Descriptions	Function
① Remote control signal receiver	Receives signal from remote control..
② State LED	Shows power state in LED. Green: power is on.
③ Wall bracket hole	Place bracket on it, and tight the bolts to assemble the cradle and main body.
④ Serial cable port	Connects digital refractor and connected chart cable.
⑤ Power switch	A switch for power It may run in about 8seconds after power on
⑥ USB port	Uses to connecting USB flash drive and supports 2 ports.
⑦ Adapter connector	Supplies power by connecting the adapter. Before the connection, separate power cable and outlet.

[Chart 1] Main body

3.1. Remote control

Turns LCD chart on and off with remote control, and changes display for test.



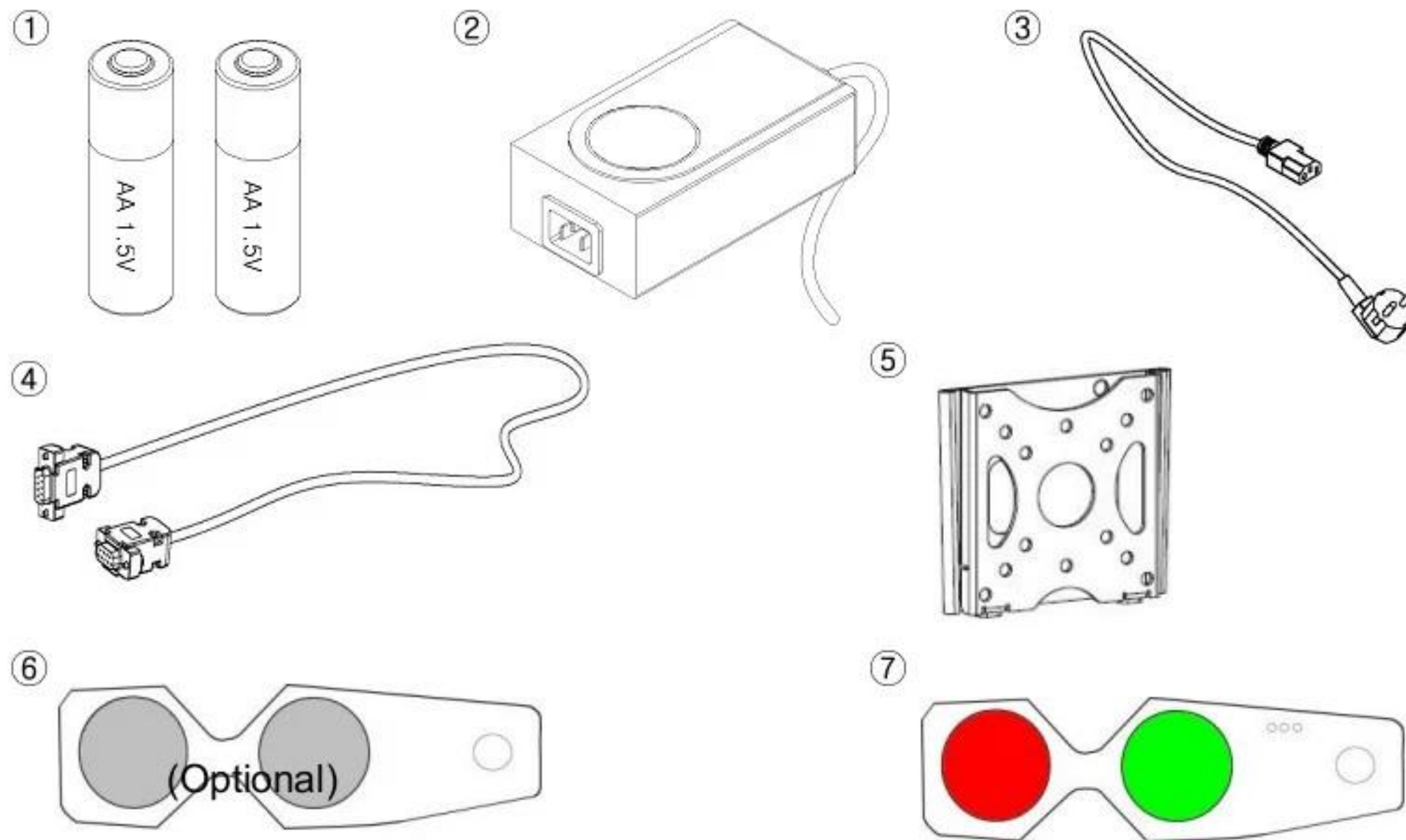
[Figure 4] Remote control

Descriptions	Function
1. IR Sensor	Sends signal from the remote control to the main body.
2. Power button	Turns power on or off Do turn off main switch on backside when don't use unit for a long time
3. Set-up button	Set the menu for user's convenience.
4. Program button	PROGRAM A/B : Select program A or B NEXT : Go next page PREV : Go previous page
5. Slide button	Starts or ends the Slide mode.
6. Mask button	Set vertical / horizontal / single characteristic mask.
7. Arrows	Moves mask or to the next chart

[Chart 2] Remote control

2.2. Accessories

Accessories of EDC-2600 are composed standard products and optional products.



[Figure 5] Accessories

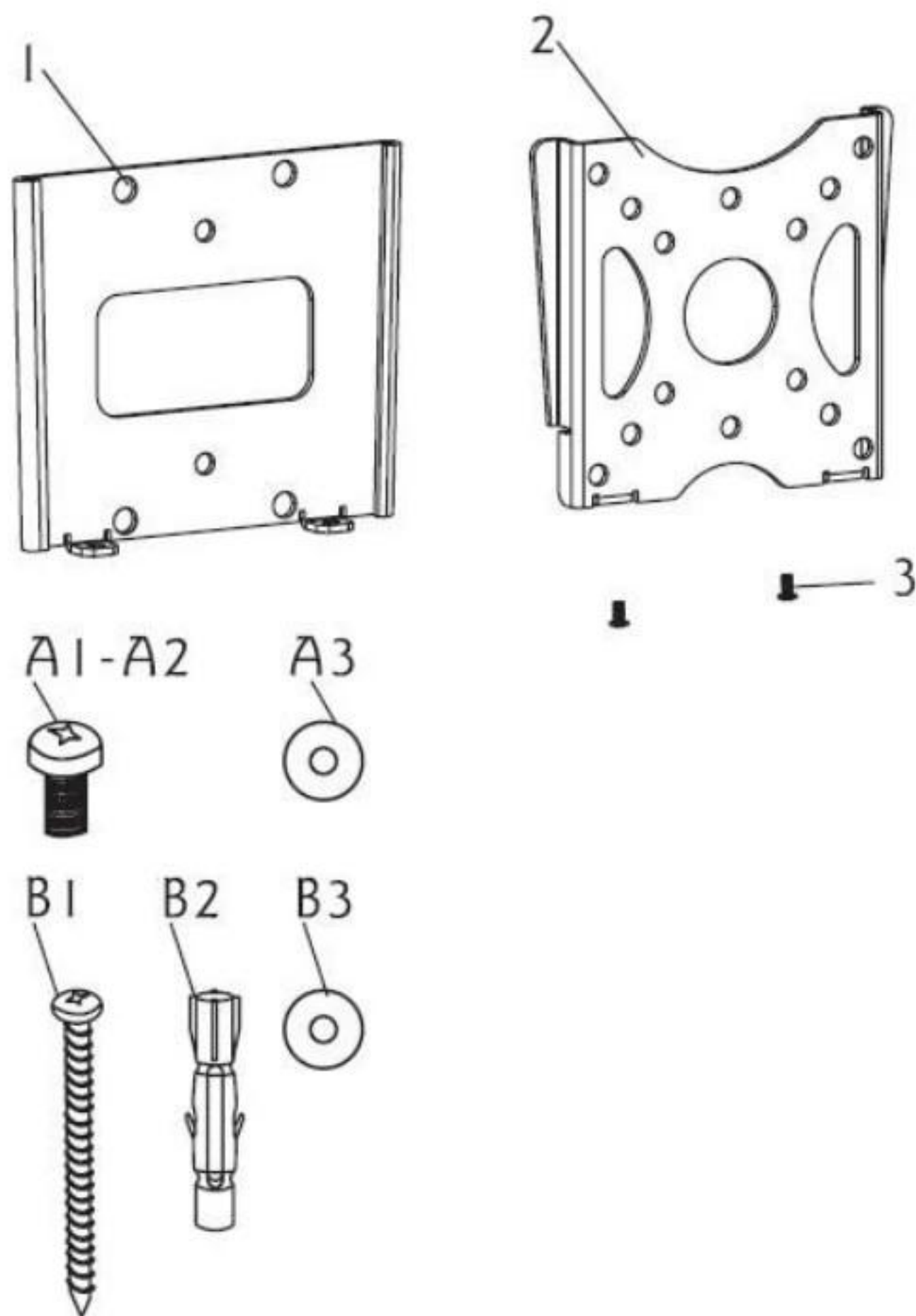
Descriptions	Function	Q'ty
① Batteries	1.5V AA size batteries	2
② Adapter	A power supplier to the main body	1
③ Power cable	A power supplier to the main body	1
④ Serial cable	A cable connects with digital refractor for use.	1
⑤ Wall bracket	A bracket fixes the main body on the wall.	1
⑥ Polarized glasses (Optional)	Glasses for polarized test	1
○ ⑦ Red/green glasses (Optional)	Glasses for red/green chart test	1

[Chart 3] Accessories

 WARNING	The Apdapter specipication is DC 5V / 5A. You must use adapter and cable that provided by US OPhthalmic. The adapter that provided by US OPhthalmic have medical certification. US OPhthalmic have no responsibility about problem that caused by using adapter and cable which are not provided by US OPhthalmic. Model : GSM40A05
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4. Installation

3.1 Parts list



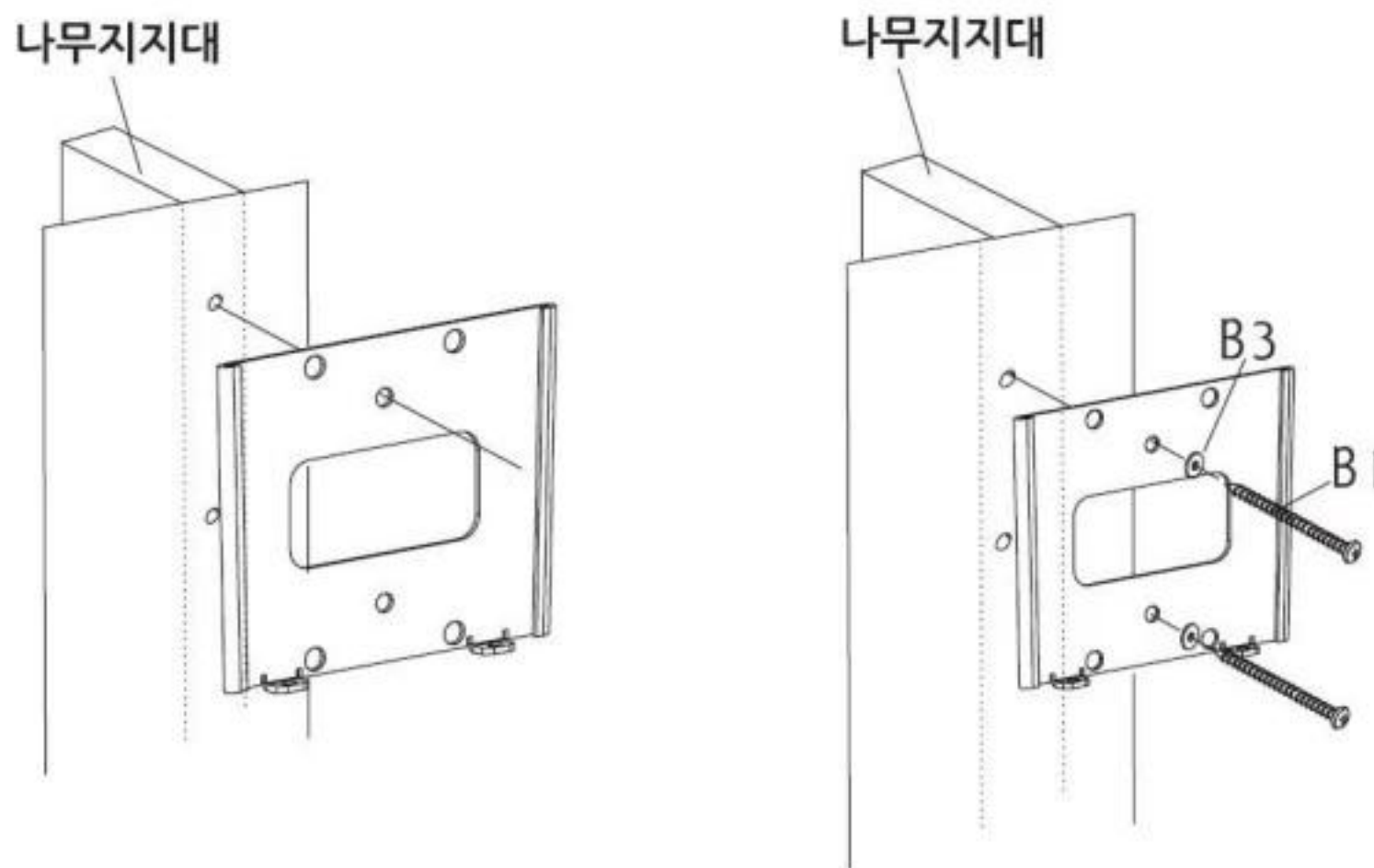
ID	Qty	Descriptions
1	1	Wall plate
2	1	Adapter bracket
3	2	Safety bolt
A1	4	M4x8mm bolt
	4	M4x12mm bolt
A2	4	M5x8mm bolt
	4	M5x12mm bolt
A3	4	M5 washer
B1	2	Long bolt
B2	2	Wall anchor
B3	2	Long bolt washer

3.2 Installation guide

Stage 1

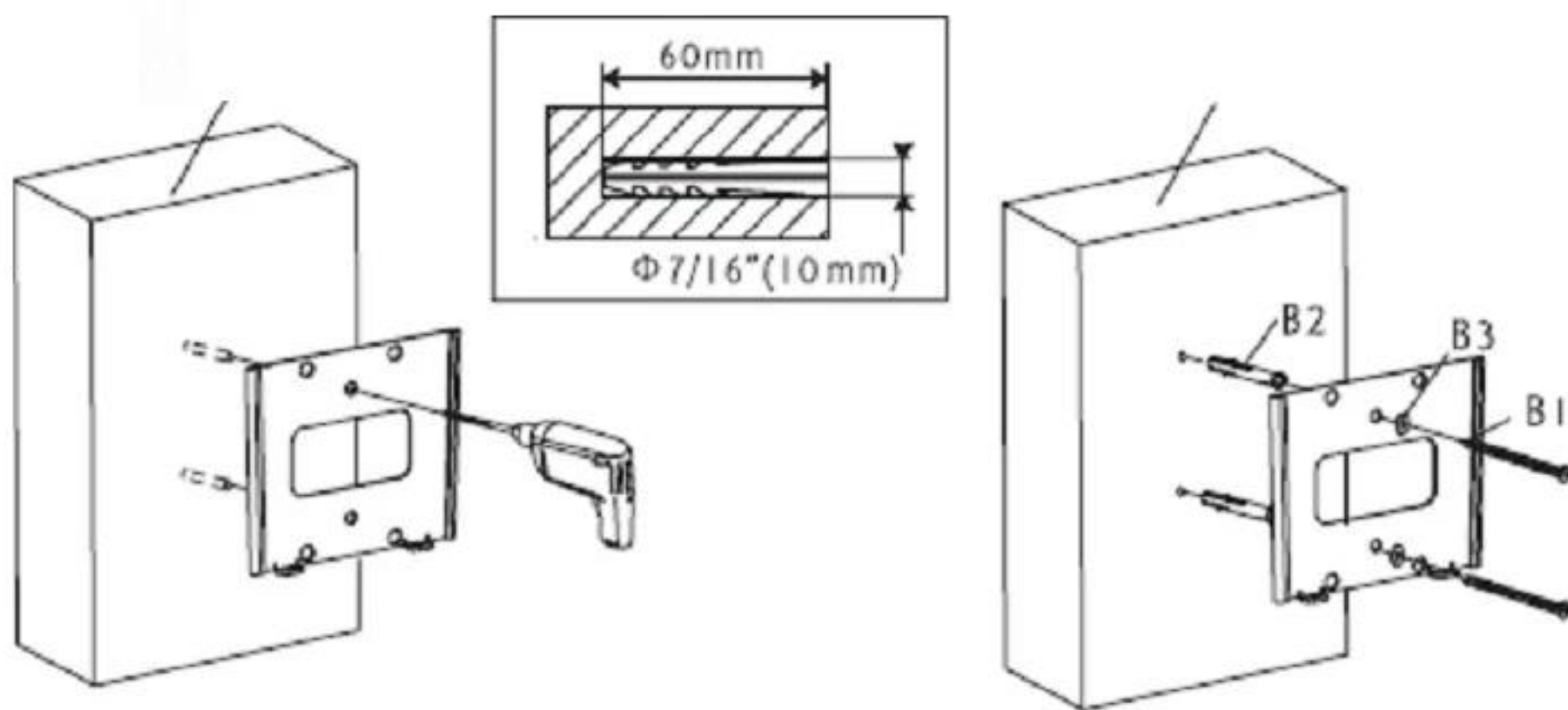
A) Wood stud mounting

- 1) Place wall plate on a wood stud to mark two mounting holes.
 - 2) Use long bolts (B1) and long bolt washers (B3) to tight wall plate on the wood stud.
- *<CAUTION> DO NOT tight bolts excessively.



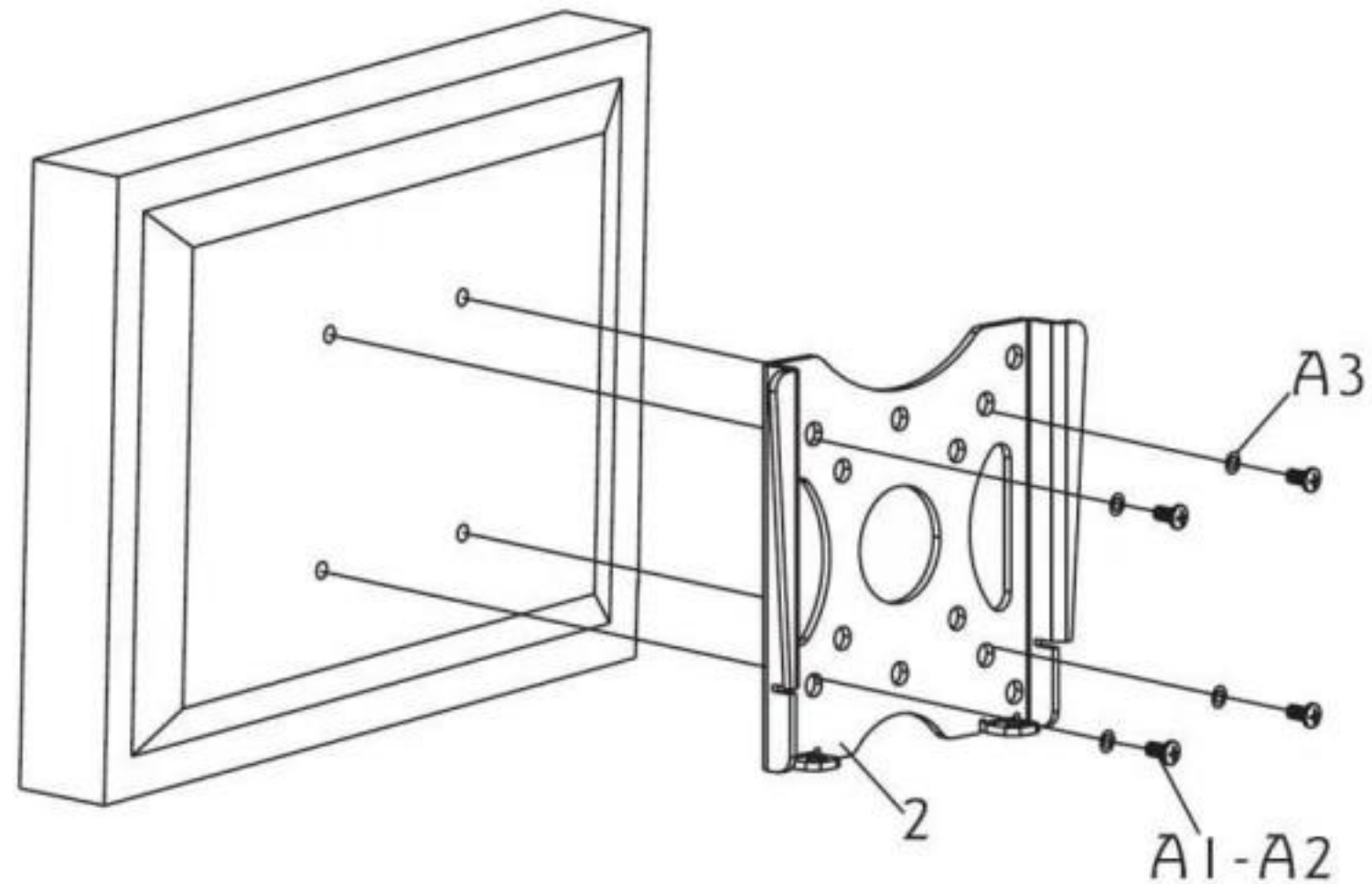
B) Concrete wall mounting

- 1) Place wall plate on the wall to mark two mounting holes.
 - 2) Drill mounting holes 60mm deep with 10mm drill bit.
 - 3) Insert anchors (B2) on the holes, and tight long bolts (B1) and long bolt washers (B3) tightly.
- *<CAUTION> DO NOT tight bolts excessively.



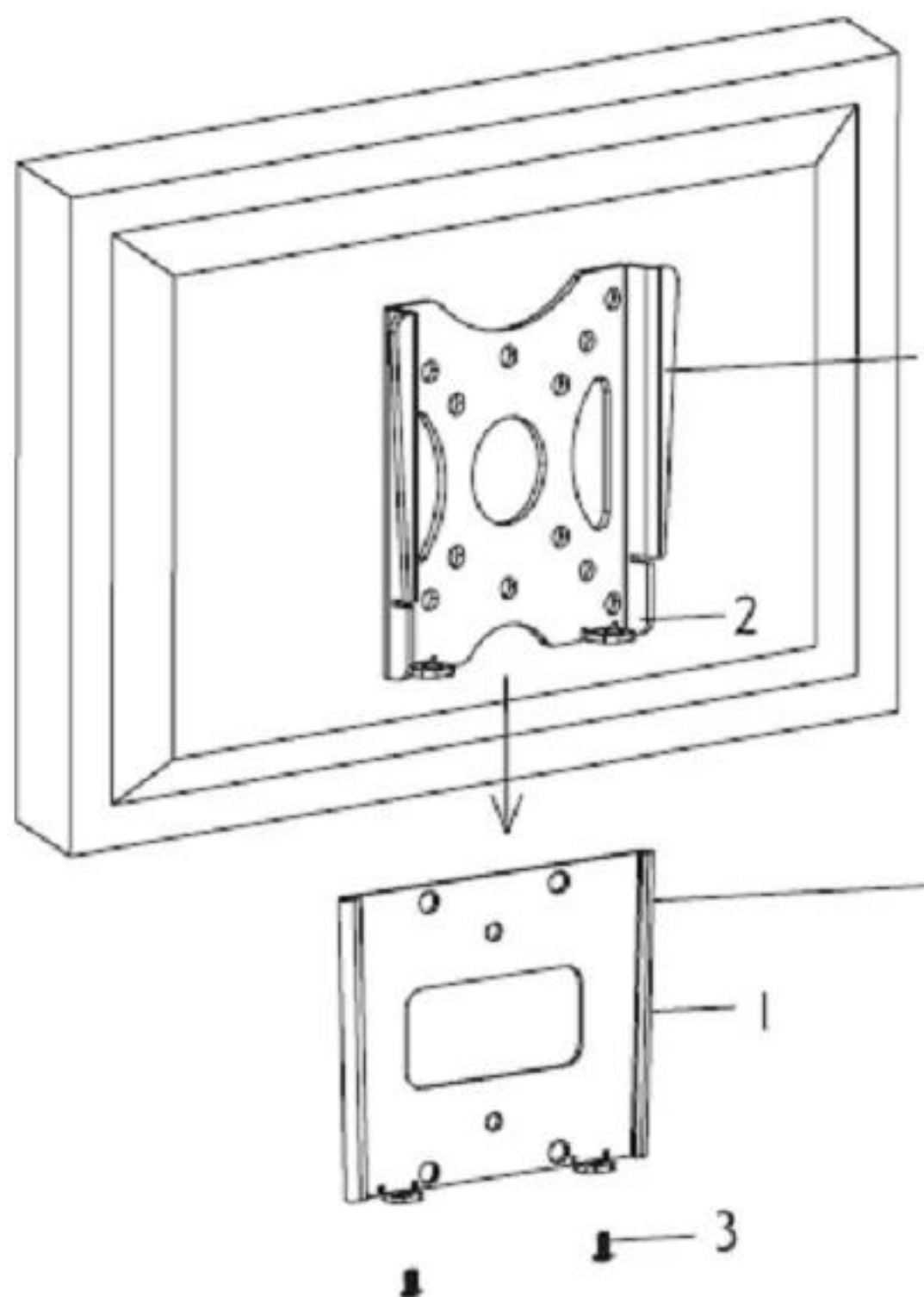
Stage 2

- 1) Align the mounting holes after placing adapter bracket behind the monitor closely.
 - 2) Attach M5 Washer (A3) by tighten bolts (A1-A2)
- *<CAUTION> DO NOT tight bolts excessively.



Stage 3

- 1) Slide the adapter bracket (2) into wall plate (1).
- 2) Tight safety bolt (3) to fix the monitor.

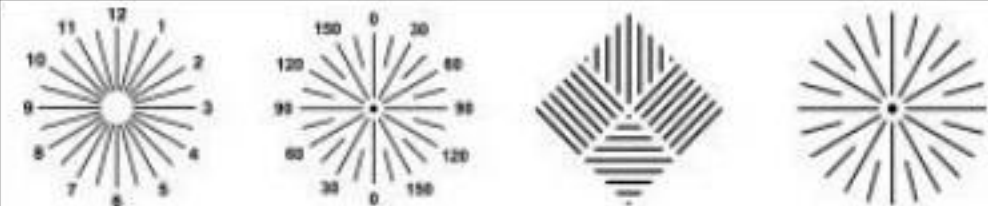
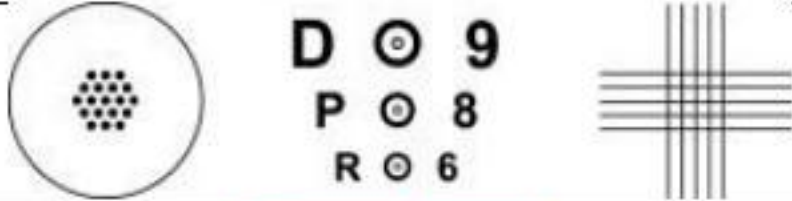
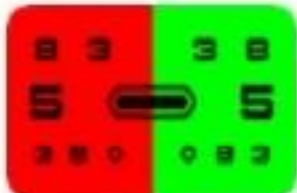
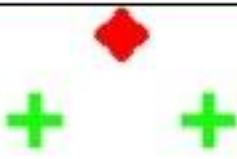
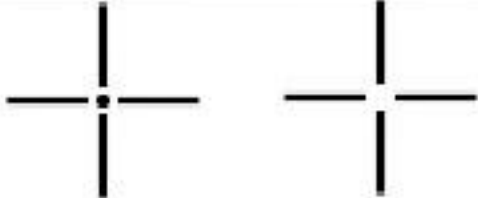


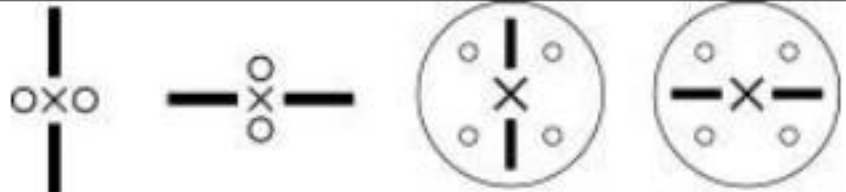
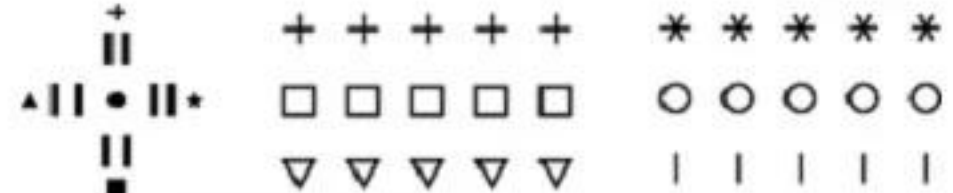
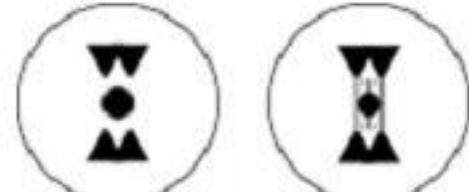
5. Operation

Remote control and digital refractor panel operate EDC-2600, but this manual ONLY contains information about operation with remote control. Please refer to separated manual to use digital refractor.

- Power control feature
Use switch on the bottom of the main body, or remote control to turn on or off EDC-2600.
Do turn off main switch on backside when don't use unit for a long time
- Power saving mode
Power saving mode will on when the product is not used.
Time can be set up. (1min, 3mins, 5mins, 10mins)
When any button on the remote control or refractor is pressed, saving power mode will canceled.
- Set up mode
Press [Set-Up] on the remote control to enter set up mode. Detailed information is on Chapter 7 "Set up."
- Slide mode
Press [Slide] on the remote control to enter slide mode. Detailed information is on Chapter 3 and 6 "Slide mode."
- Visual acuity chart
 - Visual acuity charts are composed three categories with standard chart (Landolt ring, Snellen), character chart #1 (Number/English character), and character chart #2 (Number/English character/ Korean character).
 - Press CHART SELECTION to change chart.
 - Press CHART SELECTION repetitively to see random chart.
 - Press MASK to show only chart with single character, horizontal line or vertical line.
 - Press RED/GREEN FILTER to see red/green chart.
 - Press CONTRAST to adjust contrast. The value will increase as the button is pressed.
 - Press WHITE/BLACK to see reversed black and white image.

- Additional chart

Chart	Function
	Invert colors of character and background at character chart
	Test contrast sensitivity at character chart.
	Astigmatoscopy chart
	Detailed astigmatoscopy chart with cross cylinder lens.
	Balance test chart
	Binocular balance test chart
	Red/green background at character chart
	Worth 4 Dot chart
	Shober chart
	ETDRS chart
	Dyslexia chart
	Prescribed prismatic chart to correct strabismus
	Red LED with Maddox rod
	Aniseikonia test chart
	Prescribed prismatic Cross chart to correct strabismus.

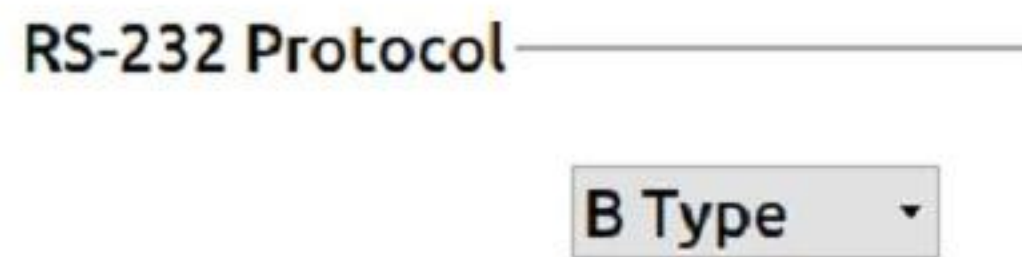
	Prescribed prismatic Mallet chart to correct strabismus
	Binocular Stereopsis chart (polarized)
	Binocular Stereopsis chart (red/green, polarized)
	Pointer chart
	Von Grafe chart
	Color-blindness test chart
	Red LED for Maddox Rod
	Retinal abnormality test chart

- Program mode
EDC-2600 supports two programs. Each program can have 28 charts, and allows using them in order. It is easy to edit and use on visual acuity test. Detailed information is on Chapter 8 "Program mode."

6. Operation mode

EDC-2600 offers „REMOCON MODE“ to use the product alone and „EDC-2600 MODE“ to link digital refractor for use.

Select mode to use at „RS-232-Protocol“ under Set-up menu.



[Figure 3] Set-up – RS-232 Protocol

Other slides such as color blindness test are offered separately from above mode.

6.1 Remocon mode (Single mode)

Use this mode when EDC-2600 is used alone.
Performs all operations used by the remote control of EDC-2600.

- Supports program (A/B)
- Supports slide

6.2 Refractor mode (Digital refractor link mode)

Use this mode after link with digital refractor.
It changes charts for visual acuity test with digital refractor panel, and menu mode and slide mode are operated by the remote control only.

- Does not support program (A/B)
- Does not support slide

6.3 Slide mode

Various images patients want, are available at Slide mode by registering.

7 Set up mode

Configuration of EDC-2600 is available at Set up mode.

The screenshot shows the 'Configuration' screen of the EDC-2600 device. The title bar includes a gear icon, the word 'Configuration', and the version 'Ver. 1.00'. On the left is a sidebar with four menu items: 'Chart' (selected, with a circular arrow icon), 'Red/Green' (with a red and green bar icon), 'Program' (with a puzzle piece icon), and 'Image' (with a picture icon). The main area is divided into three columns of settings. The first column contains: 'Distance' (5.00 m), 'Contrast' (5 %), 'Unit of Index' (Decimal, Feet, Meter), 'ETDRS Chart' (TYPE 1, TYPE 2), 'Landolt / Snellen' (Landolt, Snellen), and 'Child Chart' (TYPE 1, TYPE 2). The second column contains: 'RG / Polar' (Red / Green, Polar), 'Cross Type' (Type 1, Type 2), 'Mask Position' (Original, Center), 'Mirror' (ON, OFF), 'RS-232 Protocol' (B Type), 'Remote Channel' (CH: 8 (Ch)), and 'Sound' (ON, OFF). The third column contains 'LCD Brightness' with a slider bar. At the bottom are 'SAVE' and 'CANCEL' buttons.

Menu Item	Sub-menu	Setting
Chart	Distance	5.00 (m)
	Contrast	5 (%)
	Unit of Index	* Decimal ☐ Feet ☐ Meter
	ETDRS Chart	☐ TYPE 1 * ☒ TYPE 2
	Landolt / Snellen	☐ Landolt * ☒ Snellen
	Child Chart	* ☒ TYPE 1 ☐ TYPE 2
	Red/Green	RG / Polar
Cross Type		☐ Type 1 * ☒ Type 2
Program	Mask Position	☐ Original * ☒ Center
	Mirror	☐ ON * ☒ OFF
	RS-232 Protocol	B Type
	Remote Channel	CH: 8 (Ch)
	Sound	☐ ON * ☒ OFF
	LCD Brightness	Slider bar
	Image	

[Figure 4] Set-up mode

- Running Set up mode
Press „Set-up' on the remote control at test mode
- Selecting menu
Press „Next' or „Prev' on the remote control to select menu.
- Changing value
Press arrows on the remote control to set the value.
- Saving changed value
Press „Next' or „Prev' on the remote control to move to „Save.' Press „Set-up' to save changed value and go back to test mode.

- Chart categories

The screenshot shows the 'Configuration' window with the 'Chart' category selected. The settings are organized into three columns:

- Distance:** A numeric input set to '5.00' with a unit dropdown set to '(m)'.
- Contrast:** A numeric input set to '5' with a unit dropdown set to ' (%)'.
- Unit of Index:** Radio buttons for 'Decimal' (selected), 'Feet', and 'Meter'.
- ETDRS Chart:** Radio buttons for 'TYPE 1' and 'TYPE 2' (selected).
- Landolt / Snellen:** Radio buttons for 'Landolt' and 'Snellen' (selected).
- Child Chart:** Radio buttons for 'TYPE 1' and 'TYPE 2' (selected).
- RG / Polar:** Radio buttons for 'Red / Green' (selected) and 'Polar'.
- Cross Type:** Radio buttons for 'Type 1' and 'Type 2' (selected).
- Mask Position:** Radio buttons for 'Original' and 'Center' (selected).
- Mirror:** Radio buttons for 'ON' and 'OFF' (selected).
- RS-232 Protocol:** A dropdown menu set to 'B Type'.
- Remote Channel:** A dropdown menu set to '8' with '(Ch)' next to it.
- Sound:** Radio buttons for 'ON' and 'OFF' (selected).
- LCD Brightness:** A horizontal slider bar.

At the bottom of the window are 'SAVE' and 'CANCEL' buttons.

Distance

Set installation distance from 1.5m to 7.5m. Chart size will change depending on the distance.

Contrast

Adjust contrast at the Contrast test mode in four stages – 5%, 10%, 25%, 50%.

Unit of Index

Set unit of sight: Decimal, Feet, Meter

ETDRS Chart

ETDRS chart offers two types of setting.

TYPE 1: English ETDRS

TYPE 2: Landolt ETDRS

Landolt / Snellen

Set Landolt or Snellen as standard chart.

Child Chart

Set chart type for children.

TYPE 1: Basic image test chart

TYPE 2: Symbol test chart

RG / Polar

Setting changes depending on the product type.

Red / Green: Regular model (Polarizing chart is unavailable during Polar mode)

Polar: Polarizing model (Both modes are available)

Cross Type

Set the Cross-chart by left/right segmented direction.

TYPE 1: 3'o clock dir. + 9'o clock dir. and 12'o clock dir. + 6'o clock dir.

TYPE 2: 12'o clock dir. + 3'o clock dir. and 9'o clock dir. + 6'o clock dir.

Mask Position

Original : Masks at the original location during Mask mode

Center : Masks the center of the screen during Mask mode.

Mirror

Set Mirror mode when to install a mirror for half shorten the distance to the chart.

All charts are mirrored.

RS-232 Protocol

Set chart types while digital refractor is linked.

Remote Channel

When numbers of product are installed at the same place, each remote control signal could be set respectively. 11 different channels are available.

※ How to alter channel ?

(1) It's valid only on normal chart mode

(2) Press **NEXT** button on R/C five times , and press   button in order

(3) It shows current remote control channel as "CH"1" on a bottom of right side of panel

(4) To change channel, press  pushing  button



(5) To see current channel, press  button once again, it shows "CH : 2"

(6) To change set-up, press **PREV** button , it'd be initiated with beep sound two times

Sound

Set sound effects anytime charts appear.

ON : Activate sound effects

OFF : Deactivate sound effects

LCD Brightness

Set brightness of LCD panel backlight.

Power Save

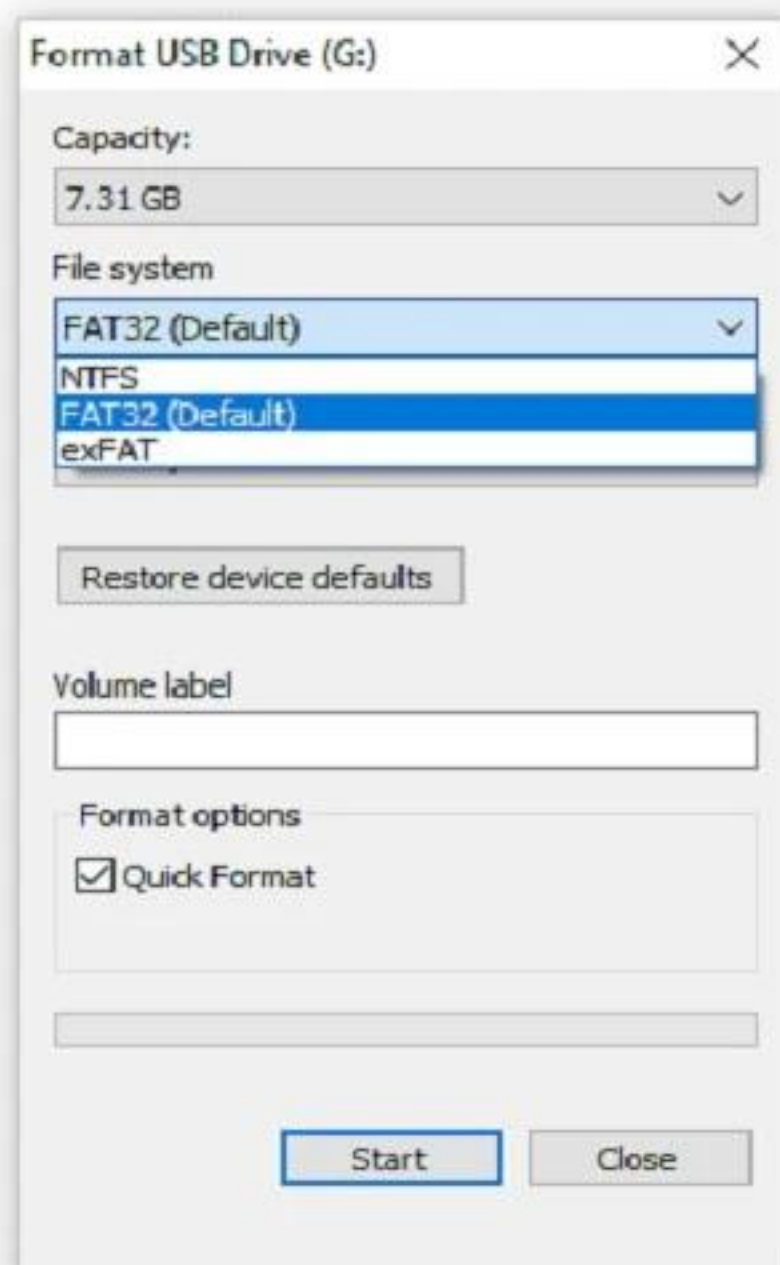
3, 5, 10, 20(minutes)

S/W Update

It'd be updated with the latest version with USB

※ How to update ?

(1) Do format USB as FAT32(File System)



(2) Copy the latest version(EDC-2600, No extension) into USB

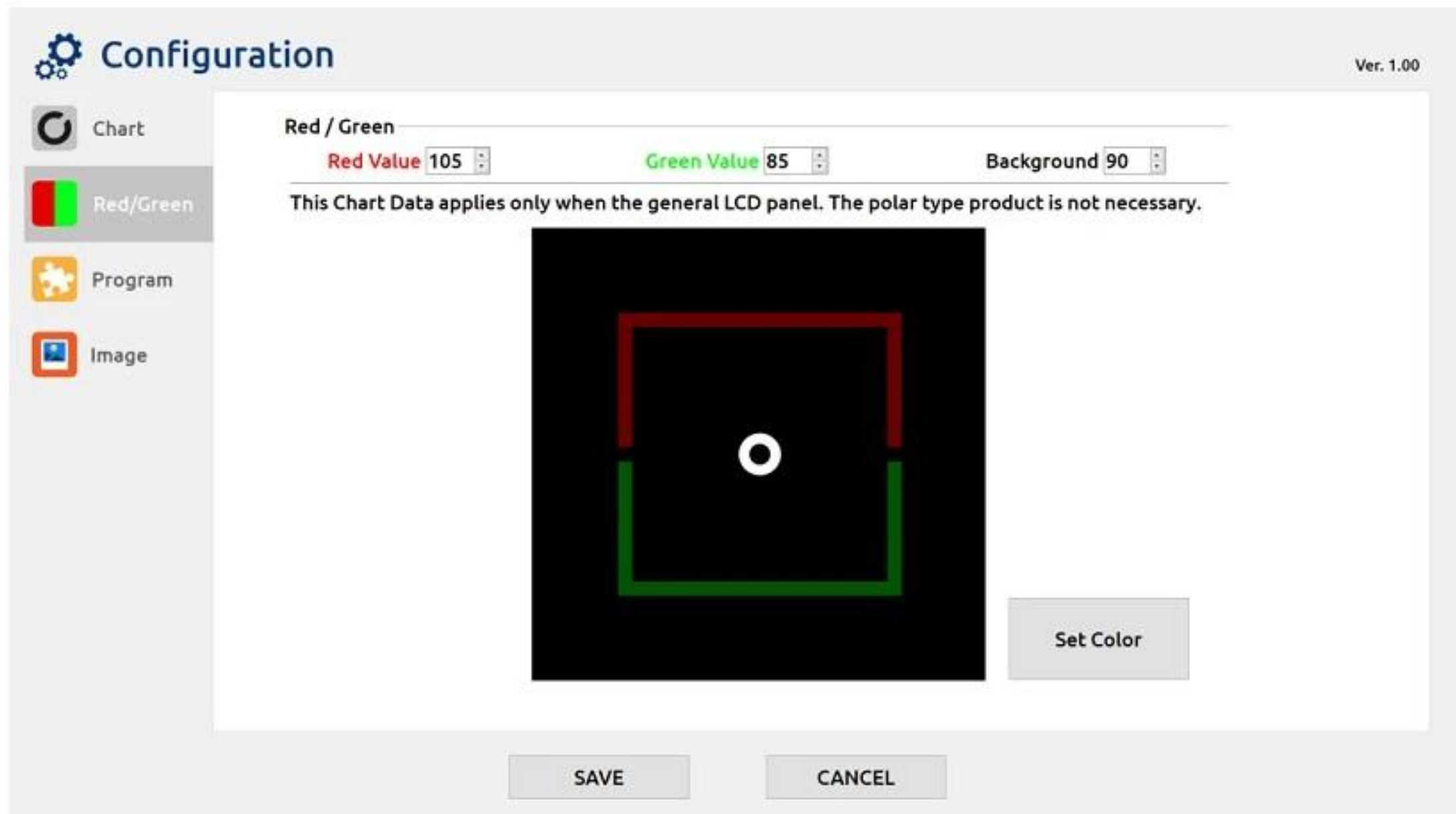
(3) Move Cursor to  and then press **SET-UP** button,

S/W Update would be begun automatically

If File System in USB is not proper or the file for updating does not exist, it shows "The Update File doesn't exist!"

(4) It shows " Ver. X.XX" on a top of right side if it's done normally

- Red/Green category
Set this category at standard model and polarizing model.



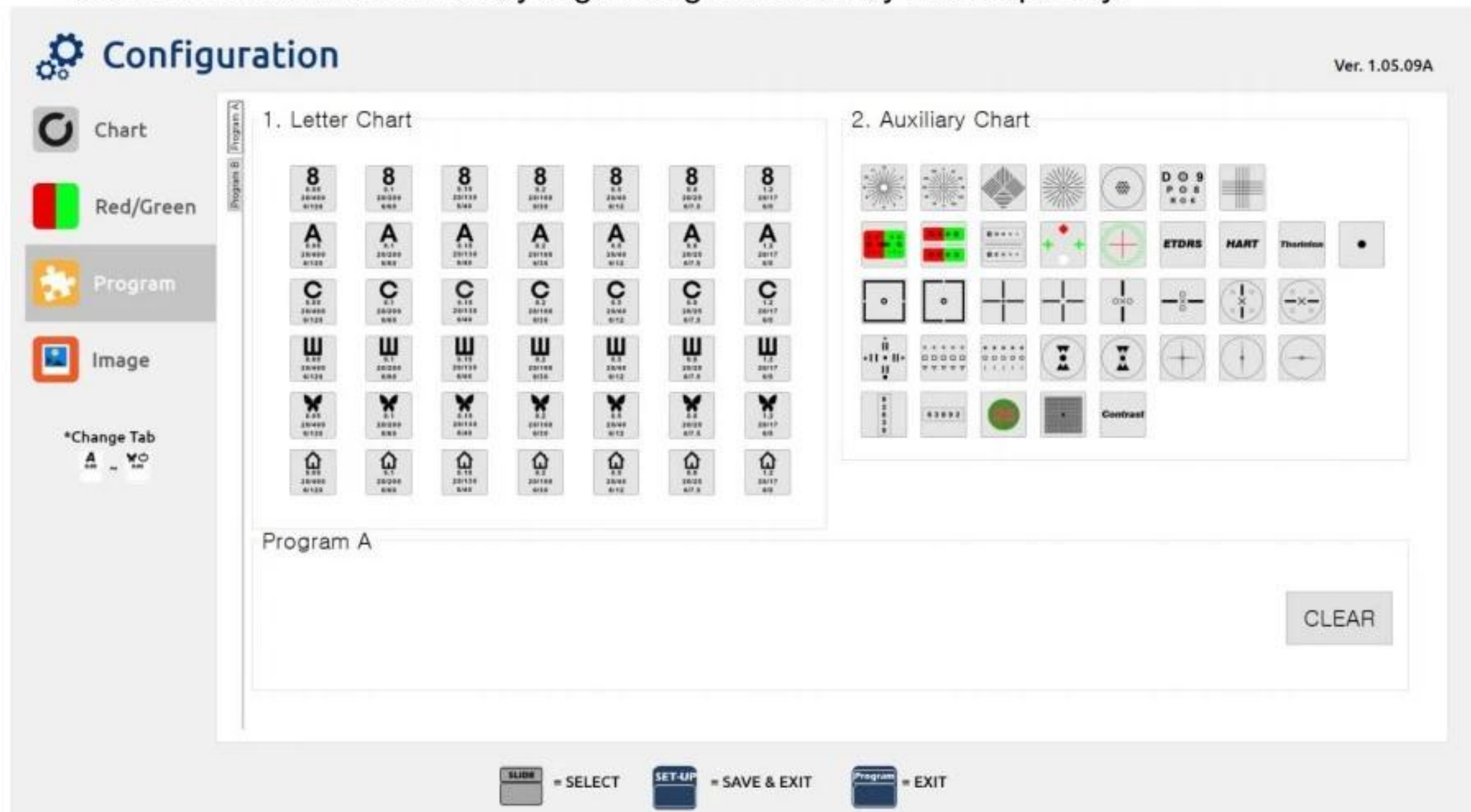
Red Value (0 ~255)
Brightness of red value changes in 5 units.

Green Value (0 ~255)
Brightness of green value changes in 5 units

Background (0 ~255)
Background brightness value changes in 5 units

※ Changed value will be applied after click [Set Color].

- Program categories
There are two types of program (A/B).
Convenient test is available by registering test chart by the frequency.



Program A / Program B

Other charts can be applied as type A or B.

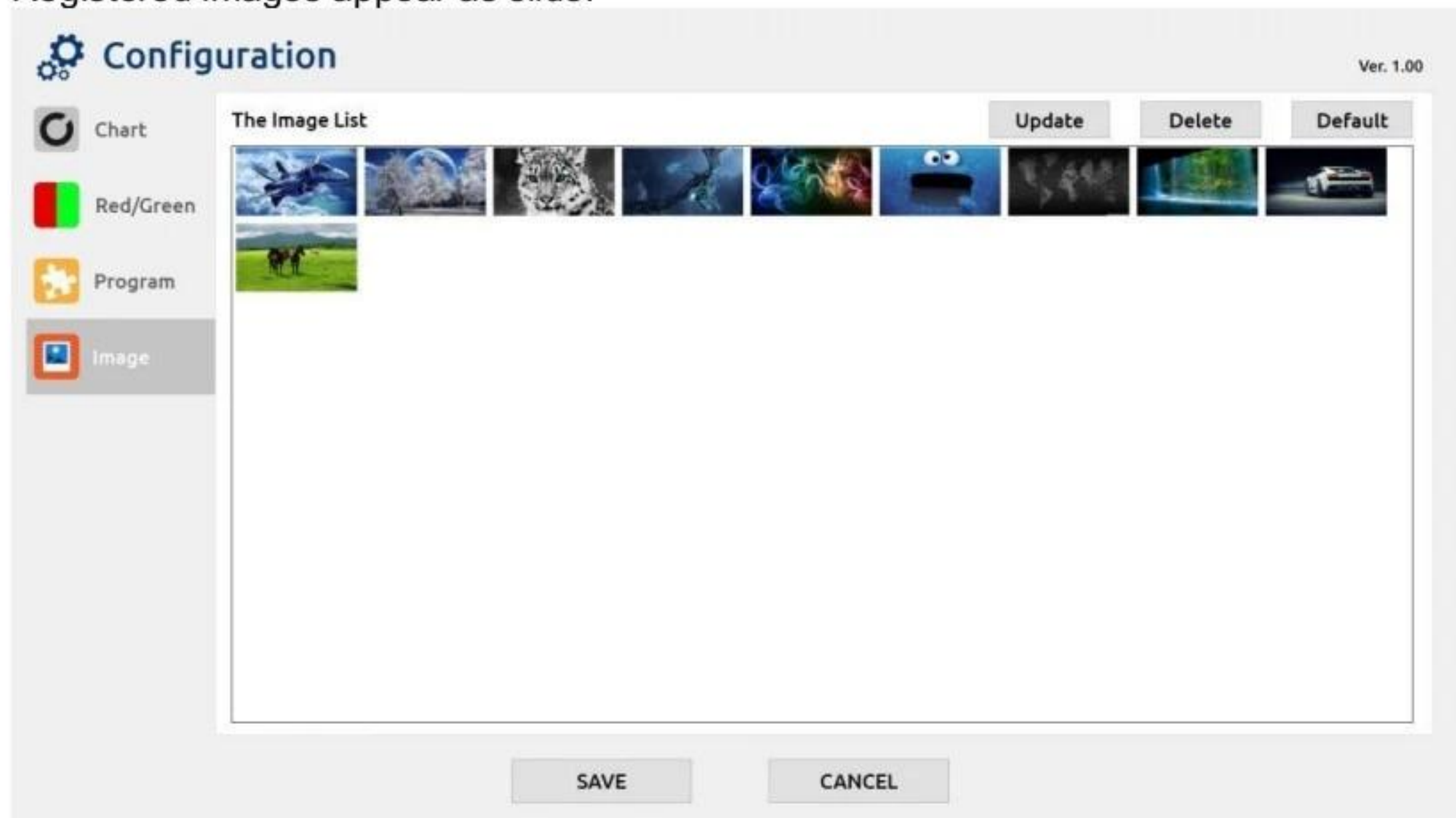
Move the cursor to the test chart, and press „Set-Up‘ on the remote control to register.

Press „Clear‘ for defaulting applied charts on the bottom.



It appears upper-left when Program mode is set up from Test mode.

- Image categories
Registered images appear as slide.



Update button

Copy and register images by inserting the USB flash drive.

Delete button

Delete all images

Default button

Delete all images and default.

※ We recommend to modify the values on Menu mode after the system becomes familiar.

8 Program mode

EDC-2600 offers two program modes (A/B) based on patient's test purpose and preference, for prompt and convenient visual acuity test.

28 charts are available in one program.

8.1 Running Program mode

- Select Program
 - Press [PROGRAM A/B] to select program either A or B
 - Once : Program A
 - Twice : Program B
 - Three times : Cancel the program
 - Name and number of current and total programmed chart appears on the upper left as shown below.

 **A 1/12**  **B 1/10**

[Figure 5] Running program

- Change program step
 - Press [NEXT] to move next step.
 - Press PRV] to move previous step.
- Close Program mode
 - Click [PROGRAM A/B] to close the program

8.2 Program editing

Current type and order of the chart can be edited at Program under Set Up.



CAUTION

Turn off the power when instrument is unused for long time after the measurement.

9 Maintenance and troubleshooting

9.1 Before technician or service agent

- EDC-2600 is not turning on
 - ✓ Check if power cable connects to the main body, and if green LED light is at adapter is on. Contact technician or service agent if the light is off.
 - ✓ If the EDC-2600 is off still though power cable is connected and green light is on, unplug the power cable and wait until light is off. Re-connect the power cable, and press the power switch. Call technician or service agent if the EDC-2600 is still off.
- Remote control does not work.
 - ✓ Replace the batteries (two 1.5V AA size batteries)
 - ✓ Clean the receiver on the main body and the transmitter on the remote control.
 - ✓ If the remote control still does not work, contact technician or service agent.

9.2 Cleaning instrument

- Exterior
 - ✓ This instrument must clean. DO NOT clean it with flammables, such as thinner and benzene.
 - ✓ Wipe with a clean cloth lightly dampened with mild soap water.
- Screen
 - ✓ Wipe with a dry cloth with glass cleaner. DO NOT use inflammables, such as thinner and benzene.

9.3 Moving instrument to other place

- Turn off the power
- Unplug the power cable

9.4 Service information

9.4.1 Maintenance

- Contact service agent if EDC-2600 has problem.
 - Inform followings based on product information label.
- Model name : EDC-2600
 - Serial number (Polarized) : 10 characteristics on product information label.
 - Serial number(Non-polarized) : 10 characteristics on product information label



[Figure 6] Product information label

10 Specifications

Monitor	
Type	24" TFT, LED backlight
Resolution	1920(H) x 1080(V) pixel
Display area	531.36(H) x 298.89(V) mm
Features	
Chart	1. Landolt Ring / Snellen 2. Numbers / Letters / Korean 3. Children
Masking	1. Single character / Horizontal Line / Vertical Line 2. Normal / Center
Filter	Red/green
Visual function	1. Red/green, Polar separation, 3D polar, strabismus 2. 3D red/green, Color-blindness
Special function	Mirror mode / Contrast adjustment / Inversion
Distance	1.5m~7.0m (Changes into 0.25 meter unit)
Control device	IR remote control (wireless) / Digital refractor(wired)
Screen saver	Power save/ Chart show (5secs, 10secs, 30secs)
Screen saver timeout	3mins / 5mins / 10mins / 20mins
Product specifications	
Main body	575(W) x 370(H) x 43(D) mm / 4 kg
Remote control	64(W) x 195 (H) x 20(D) mm / 110 g
Power supply	DC 5V / 5A Adapter
Power consumption	Max. 15W
Accessories	
Cradle	Wall mount (standard) Floor stand (optional) Table stand(optional)
Special glasses	Polarizing glasses(optional) / Red/green glasses(optional)
Remote control	1 pc
Batteries	2 pcs (AA 1.5V)
Adapter	1 pc
Serial cable	1 pc
Power cable	1 pc
Cleaning cloth	1 pc

EMC (ELECTROMAGNETIC COMPATIBILITY) Information

The Electromagnetic Compatibility Directive sets the essential requirements for electrical and electronic equipment that may disturb or even be disturbed by other equipment. The EDC-2600 complies with these requirements as tabled below. Follow the guidance on the tables for use of the device in the electromagnetic environment.

EDC-2600 is suitable for the home healthcare environment.

Warning for EMC

Minimum distance from RF communications	Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the EDC-2600, including cables specified by the US OPhthalmic. Otherwise, degradation of the performance of this equipment could result."
Cables and accessories	Use of accessories, transducers and cables other than those specified or provided by US OPhthalmic of EDC-2600 could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation."

EMC Information

Phenomenon	Basic EMC standard or test method	Port tested	Test level/requirement
Mains terminal disturbance voltage	CISPR11:2015	AC Mains	Group1, Class B
Radiated disturbance	CISPR11:2015	Enclosure	Group1, Class B
Harmonic Current Emission	IEC 61000-3-2:2005 A1:2008 A2:2009	AC Mains	Class A
Voltage change, Voltage fluctuations and Flicker Emission	IEC 61000-3-3:2013	AC Mains	Pst: 1 Plt: 0.65 Tmax:0.5 dmax: 4% dc: 3.3%
Electrostatic Discharge Immunity	IEC 61000-4-2:2008	Enclosure	± 8 kV/Contact ± 2, ± 4, ± 8, ± 15 kV/Air
Radiated RF Electromagnetic Field Immunity	IEC 61000-4-3:2006 A1:2007+A2:2010	Enclosure	3 V/m 80 MHz-2.7 GHz 80% AM at 1 kHz
Immunity to Proximity Fields from RF wireless Communications Equipment	IEC 61000-4-3:2006 A1:2007+A2:2010	Enclosure	Table 9 in IEC 60601-1-2: 2014
Electrical Fast Transient/Burst Immunity	IEC 61000-4-4:2012	AC Mains	± 2 kV, 100 kHz repetition frequency
Surge Immunity	IEC 61000-4-5:2005	AC Mains	Line to Line ± 0.5 kV, ± 1 kV Line to Ground ± 0.5 kV, ± 1 kV, ± 2 kV
Immunity to Conducted Disturbances Induced by RF fields	IEC 61000-4-6:2013	AC Mains	3 V 0.15-80 MHz 6 V in ISM bands Between 0.15 MHz and 80 MHz 80% AM at 1 kHz
Power Frequency Magnetic Field Immunity	IEC 61000-4-8:2009	Enclosure	30 A/m 50 Hz & 60 Hz
Voltage dips	IEC 61000-4-11: 2004	AC Mains	0 % U_T : 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315°
			0 % U_T ; 1 cycle and 70 % U_T ; 25/30 cycles Single phase: at 0°
Voltage interruptions	IEC 61000-4-11: 2004	AC Mains	0 % U_T ; 250/300 cycle

11 . Disposal of product /Customer Service

Please contact us with the below when dispose of product
COMPANY : US Ophthalmic LLC.
ADD: 9990 NW 14 ST STE 105 Doral FL 33172

Tel : +1-888-881-1122

Fax : +786-621-1842



This instrument has alkaline battery that may pollute environment by disposal or negligence. Before the disposal, contact professional disposal company or purchased store.