

EDON

EZ-2150
DiSEqC 1.2 Positioner
User's Manual



Edon Technology Inc.

PRECAUTION

- DO NOT OPEN THE CABINET. This product contains high voltage parts, you may get serious electrical shock if touch these parts.
- This product should be operated only from the type of power source indicated on the marking label.
- Always remove AC plug before wiring.
- Please make sure the receiver is off before connecting / disconnecting the coaxial cable.
- Place this product at a well ventilated place. For adequate dissipation of heat, do not place anything on it.
- Keep this product away from direct sunlight or other heat source and do not expose it to rain or moisture.
- Use a soft, dry cloth for cleaning. If detergent is necessary, use Non-abrasive one.
- Never connect the positioner's motor terminals to the actuator's (or H-H mount's) reed sensor terminals. It may burn-up the reed sensor when you operate the positioner.

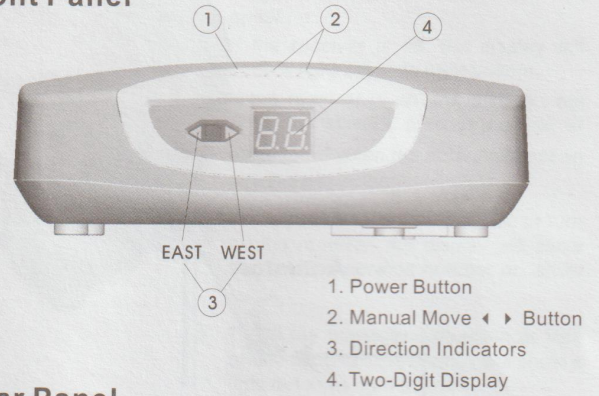
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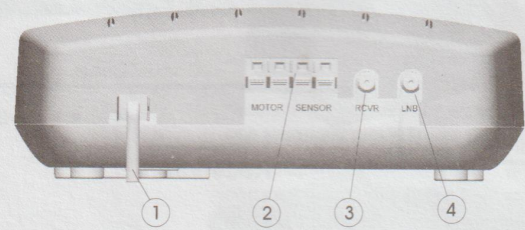
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TAKE A LOOK AT YOUR POSITIONER

Front Panel

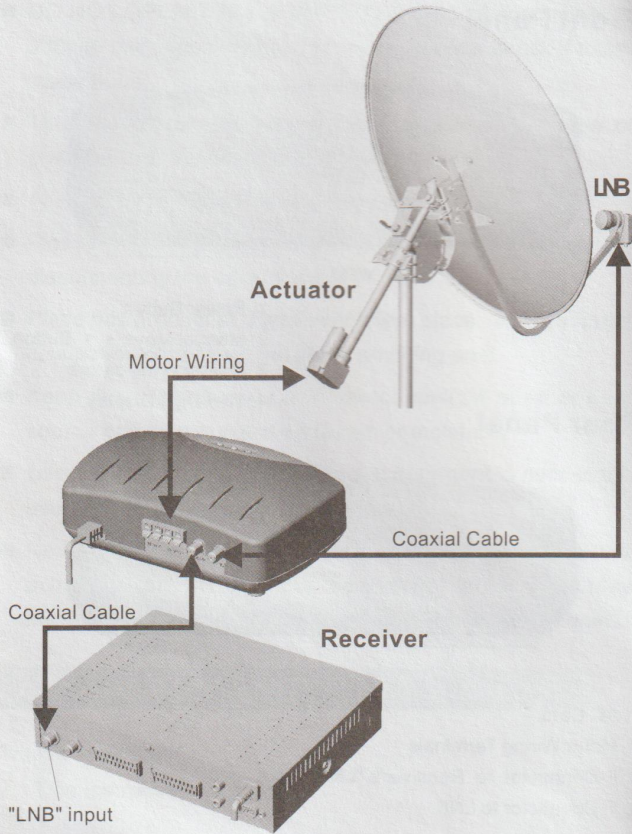


Rear Panel



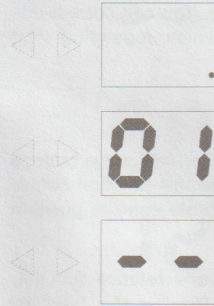
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CONNECT TO RECEIVER & MOTOR



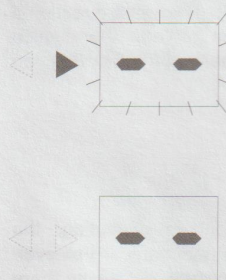
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STARTING OPERATION



- 1 Plug the AC power cord into wall outlet.
If the receiver is off, the display will show a light dot at its right bottom.
If the receiver is on, the display will show the satellite position number or show "--" when the antenna is not on any stored position.
- 2 Press positioner's power button or turn on the receiver, the display will show the satellite position number or show "--".
- 3 Press the power button again or turn off the receiver, the display will show a light dot at its right bottom.

MANUAL MOVE (FINE TUNE) THE ANTENNA



- 1 Keep pressing positioner's manual move button (◀ ▶) or operate the receiver's "move east / west" function can manually move the antenna.
The display will flash "--" and the corresponding direction indicator will be ON.
- 2 Antenna will stop when ◀ ▶ button is released or the receiver's operation is stopped.
The display will stop flashing and the indicator will turn off.

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CALIBRATE SATELLITE POSITIONS

After a period of time, accumulated mechanism error caused by wear out or aging will effect the positioning accuracy. You can correct this problem by executing the following functions which depending on if your receiver has provided.

Go to Reference Position

Satellite position 0 is a "reference position" which is the motor's east mechanical limit. You should execute this function before storing positions, otherwise you can't calibrate satellite position in the future by it.



- 1 Executing receiver's relative function (e.g. "Reset Position", "Go to Reference", "Centering"...), the antenna will move to the east mechanical limit.

The display will flash "00", and the east direction indicator (◀) will be ON.



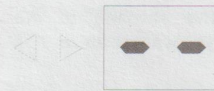
- 2 Antenna stop when reaching the east mechanical limit. The east directional indicator will be off and the display shows "SP" then "00" (Set Position 00).



NOTE When "Goto to reference position" is executing, the antenna will keep moving to the east mechanical limit even set the electronics limit before. So please make sure there is no obstruction on the moving path in advance.

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Resync Satellite Position



- 1 Manual move the antenna to the accurate satellite position.



- 2 Executing receiver's Resync function (e.g. "(Re)Calculation", "Reset"....)

For example, If you resync position 12, the display will display "SP" then "12" (Set Position 12).



Go to Reference Position from the Positioner

Some receivers have no "Go to Reference Position" or "Resync Satellite Position" function, you can still correct this problem from the positioner.



- 1 Keep pressing ◀ ▶ (manual move button) on positioner for about 1 second, the antenna will move to the east mechanical limit.

The display will flash "00", and the east direction indicator (◀) will ON.

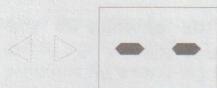


- 2 Antenna stop when reaching the east mechanical limit. The east directional indicator will be off and the display shows "SP" then "00" (Set Position 00).

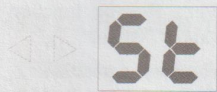


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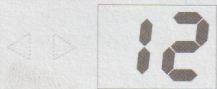
STORE SATELLITE POSITION



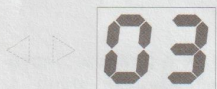
- 1 Manual move the antenna to the satellite position you want to store.



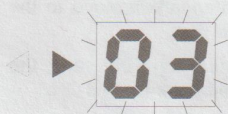
- 2 Operate receiver's "Store" operation. For example, If you store to position 12, the display will display "St", "12" (Store 12).



MOVE TO SATELLITE POSITION



- 1 Operate receiver's relative operation. The display will show the satellite position number .



- 2 After 1 second, the antenna starting to move to the position. The display will flash and the corresponding direction indicator will turn ON.



- 3 Antenna will stop while the entered position reached. The display stop flashing and the indicator will turn off.

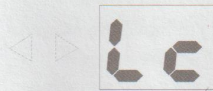
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SETTING TRAVEL LIMITS

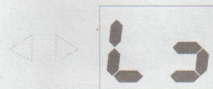
The function is designed to protect the antenna from hitting obstructions. The positioner can set up one or two electronics travel limits(soft limits). This function is recommended operated by the professional installer. And you can operate this function only when your receiver has provided this function.



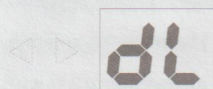
- 1 operate receiver's "Setting Limit" function.



- 2 Manual move the antenna to the desired limit position.



- 3 Operate receiver's "Set East Limit" or "Set West Limit" function to assign current position as the "East Limit" or "West Limit" and the display will show "L<" (East Limit) or "L>" (West Limit).



Some receivers will send "disable Limit" or "enable Limit" commands during setting the travel limits, the positioner display will show "dL" (disable Limit) or "eL" (enable Limit) when it receive these commands.



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TROUBLESHOOTING

No power

- Please make sure AC power cord is securely plug into wall outlet.
- Verify that outlet is supplying proper voltage.

Can't operate from the receiver

- Please check if the coaxial cable is connected well.
- Check if the receiver's DiSEqC 1.2 setting is OK.

Display shows "nP"

There's no sensor pulses output from the motor or the motor is travelling to its limit.

- Press the opposite Manual move key (◀ ▶) to move the antenna away from the limit.
- Please check if the sensor and motor wires are well-connected.
- If the "nP" is still on the display, the problem is possible from your actuator (or H-H mount). Please check with your installer or dealer.

Display shows "L<" or "L>"

The antenna is reaching at the East Limit (L<) or West Limit (L>).

- Press the opposite Manual move key (◀ ▶) to move the antenna away from the limit.
- If you can not reach the stored satellite position(s).
- please try "Go to Reference Position" (Page 5).
- If it still not work, it's probably your stored position(s) is / are outside the travel range (between L< & L>) you set.
- Please re-do the "Setting Travel Limits".

TV Picture is not Clear at the Stored Position

If you can get clear TV picture at other stored positions.

- Please re-do the "Store the Satellite Position".

If you can't get clear TV picture at other stored position but you can find out the clear TV picture by manually move (◀ ▶) the antenna.

- Please execute the "Go to Reference Position" (Page 5) or "Resync the Satellite Position" (Page 6).

If you still can't get clear picture after you manually move (◀ ▶) the antenna.

- Please check with your other reception products like Receiver, TV, LNB ... etc.

You can't find out the stored satellite position

It's probably you store two satellite positions into one memory. The former stored satellite position was replaced by the later one.

- Please re-do the "Store the Satellite Position".

Or it's probably you forget the satellite positions memory number.

Please contact with your installer or dealer for any other problems not listed above.

SPECIFICATIONS

Mains Voltage	AC 230V / 50 Hz ± 10%
Power Consumption	80W maximum
Dimensions (L x W x H)	225 x 150 x 75 mm (positioner)
Weight	1.3 kg (positioner)
Wiring Terminals	
Motor Voltage	DC 36V / 1.2A
Sensor Type	Reed sensor