

YOUDO motor for KAsat application

Two axis motor for Tooway transmission system drives by App Kasat pointer FMA by Eutelsat.

Accuracy automatic pointing.

Easy commands, with usage of the APP are reduced to two commands: Autopointing, stow suitable for 75cm dish system

YOUDO is 2 axis motor compact 15x26cm only

The housing is made in anticorodal aluminum, to be use even in saline environment.



KEY FEATURES

- Full automatic pointing, via Eutelsat App, with internal motor WIFI
- Accuracy $<0,2^\circ$
- Elevation angle from 15° to 90° to be install from Far North to Equator
- 180° rotation
- Horizontal and Vertical regulation speed by PWM
- Wind speed 90Km/h with gusts of 130km/h
- Pointing adjustment of $0,2^\circ$ by step $\leftarrow\uparrow\downarrow\rightarrow$
- Box sizes 22x25x35cm
- Weight 8,5kg

mini router



power supply + cable



EASY & CHEAP
YOUDO
THE BEST CHOICE

220Vca mobile system for Tooway



Package

- Youdo motor
- antenna fixation (assembly)
- router wireless
- 1.5m coax cable
- antenna extender
- Accessories kit for installation
- instruction manual



- Assembly and mount YOUDO as instruction manual
- Switch on power supply
- On smartphone WIFI list select KA drive away
- Open App Kasat pointer FMA
- The first screen provides Elevation xx,x° and Azimuth xx,x° , Motor connected -Modem connected and Start Auto Install
- Press button "Start Auto Install"
- YOUDO start to drive in Elevation from parking position up to 0 Vertical
- Then YOUDO drives in Horizontal up to East end switch. As soon arrived to end switch invert the sense of rotation up to 0 EN
- YOUDO stops and count on inclination
- After finished this initial step, YOUDO drives to Elevation value (provided by smartphone)
- YOUDO drives to Azimuth range up to satellite position desired, if no signal found, YOUDO drives up to West end switch
- Vertical motor gets up of $0,5^\circ$ approximately
- Then start to drive the Horizontal motor up to East end swit, always scanning satellite signal
- Vertical motor gets down of $1,0^\circ$ approximately
- YOUDO drives to this loop per 10 times up to gets the satellite signal
- Gets the satellite signal YOUDO slow down and start the fine pointing in Horizontal and Vertical always checking the max signal value available (dB APP more then 10.0)
- After finished the search theYOUDO send "DONE" to APP and appear on smartphone "FINISH INSTALLATION"
- To close the system must simply press STOW button from the APP and YOUDO will close
- All others instruction about App on Installation GUI