

## Sky-Watcher EQ6-R Equatorial Go-To Mount

**AUD  
\$2,999.99**

### Product Images



### Short Description

- German Equatorial Mount
- Belt driven transmission for limiting the backlash

- Adjustable steel tripod with an accessory tray
- Illuminated polar scope included for precise polar alignment
- Bubble level for perfect levelling
- Aluminium setting circle dials allow for quick target acquisition via celestial coordinates
- Worm gear tracking controls provides a full 360° manipulation of the RA and DEC axis
- V and D style telescope connection
- Permanent Periodic Error Correction (PPEC)
- Sky-Watcher 5 Years Limited Warranty

## Description

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The **Sky-Watcher EQ6-R Belt Driven Equatorial Mount** is the result of years of improvement for a better tracking and reduced backlash in the EQ6 design. The new transmission belts between the motors and worm gears limit the backlash for a superior guiding accuracy. The integrated bubble level and the adjustable tripod legs make the levelling easy, the azimuth and altitude axis can be fine adjusted for a precise polar alignment. On top of that, the included polar scope allows an extremely precise alignment that helps to drastically improve the quality of tracking for astrophotography.

The new features of the EQ6-R are:

- Transmission belt
- Heavy duty knobs for azimuth and altitude adjustment
- Handle on the right ascension axis
- Wider latitude range (5°-65°)

The exceptional SynScan Go-To system allows full control of both R.A. and Dec. axes with 9 slew speeds and 5 arcminute pointing precision, allowing you to quickly and accurately locate objects across the night sky. The Go-To system can automatically slew the telescope on command toward planets, stars, nebulae, galaxies, clusters and much more. The SynScan has 42,900 memorised celestial objects for an amazing journey in the night sky. The Deep Sky Tour function suggests a list of the most interesting deep sky objects currently visible, so even the novice astronomer can easily observe faint objects at the touch of a button.

The EQ6-R is equipped with a SNAP port for controlling the camera shutter release. Working with the SynScan hand control's "Camera Control" function, a user can take batch exposures in up to 8 groups of "Exposure-time & Frames".

### SynScan Features:

- Database with 42,900+ objects
- Messier, Caldwell, NGC, IC & SAO catalogues, Named Stars, Double Stars, Variable Stars, Named Stars
- One, Two and Three Stars or Brightest Star Alignment
- Autoguiding feature for astrophotography
- Pointing Accuracy Enhancement feature (PAE)
- Permanent Periodic Error Correction (PPEC)
- Unknown Object Identification feature
- Pointing accuracy up to 10 arc min
- Tracking rates: Sidereal, Lunar, Solar
- Slewing speeds: 1x, 2x, 16x, 32x, 64x, 128x, 400x, 500x, 600x, 800x (3.4°/sec)
- Motor type: DC servo motors

## Additional Information

### Specifications

Model Number	SWEQ6-R
Mount Type	German Equatorial Mount
Tripod Material	Steel
Telescope Mounting	V and D Style
Payload	20kg
Mount Head Weight	17.3kg
Tripod Weight	4.5kg
Counterweight Bar Diam.	18mm
Counterweight Bar Length	240mm + 180mm (extension)
Latitude Range	5-65°
Azimuth Range	+/- 9°
Power Requirement	DC 12~16V - 2A
Pointing Accuracy	up 5 arc. min.
Slewing Speed	up to 3.4°/sec (800X)
Guiding Speed	0.125X, 0.25X, 0.50X, 0.75X, or 1X
Motors Resolution	approx. 0.14 arc-second (9216000 Counts/Rev)