

The background of the slide is a deep space image featuring a black field densely populated with white stars of varying sizes. Several prominent spiral galaxies are visible, including one in the upper right, one in the lower right, and a long, thin one on the left side. A small, bright blue-white star is positioned just above the main text.

Our Vision

# AVALON

## INSTRUMENTS

Changing Philosophy

[www.unitronitalia.com](http://www.unitronitalia.com)

Messier 63 NGC 5055  
A. FALESIEDI

**AVALON**  
INSTRUMENTS

Changing Philosophy

**Switch Off:**

Traditional worms and  
gears mechanism.

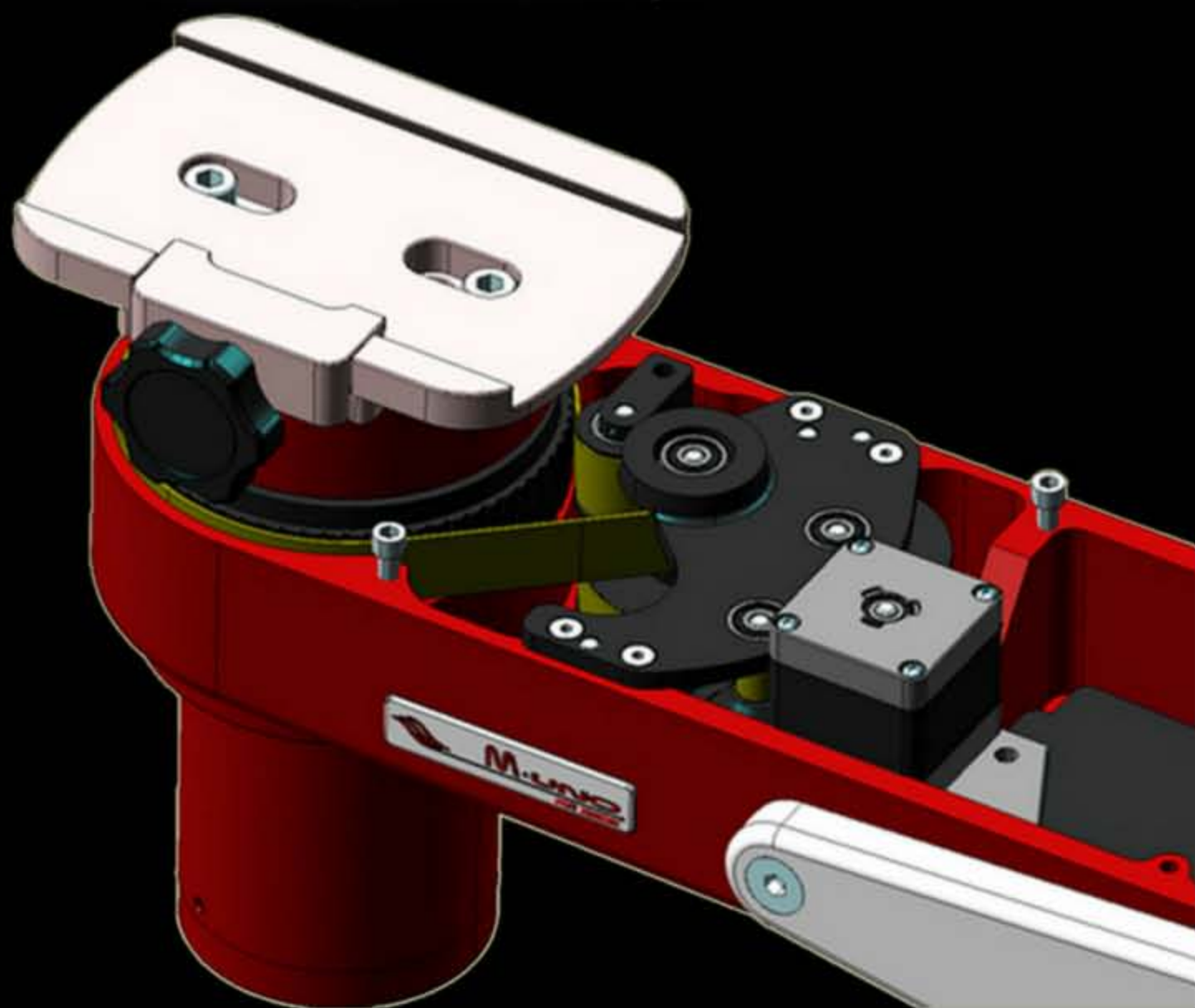
**Switch on:**

"Fast Reverse" Drive  
a Thooth belt - Pulley  
System for both axes

...

AVALON-INSTRUMENTS.COM

UNITRONITALIA.COM





**We Are Different - The Avalon Instruments exclusive Fast Reverse belt drive system gives incredible performance in astronomical imaging.**

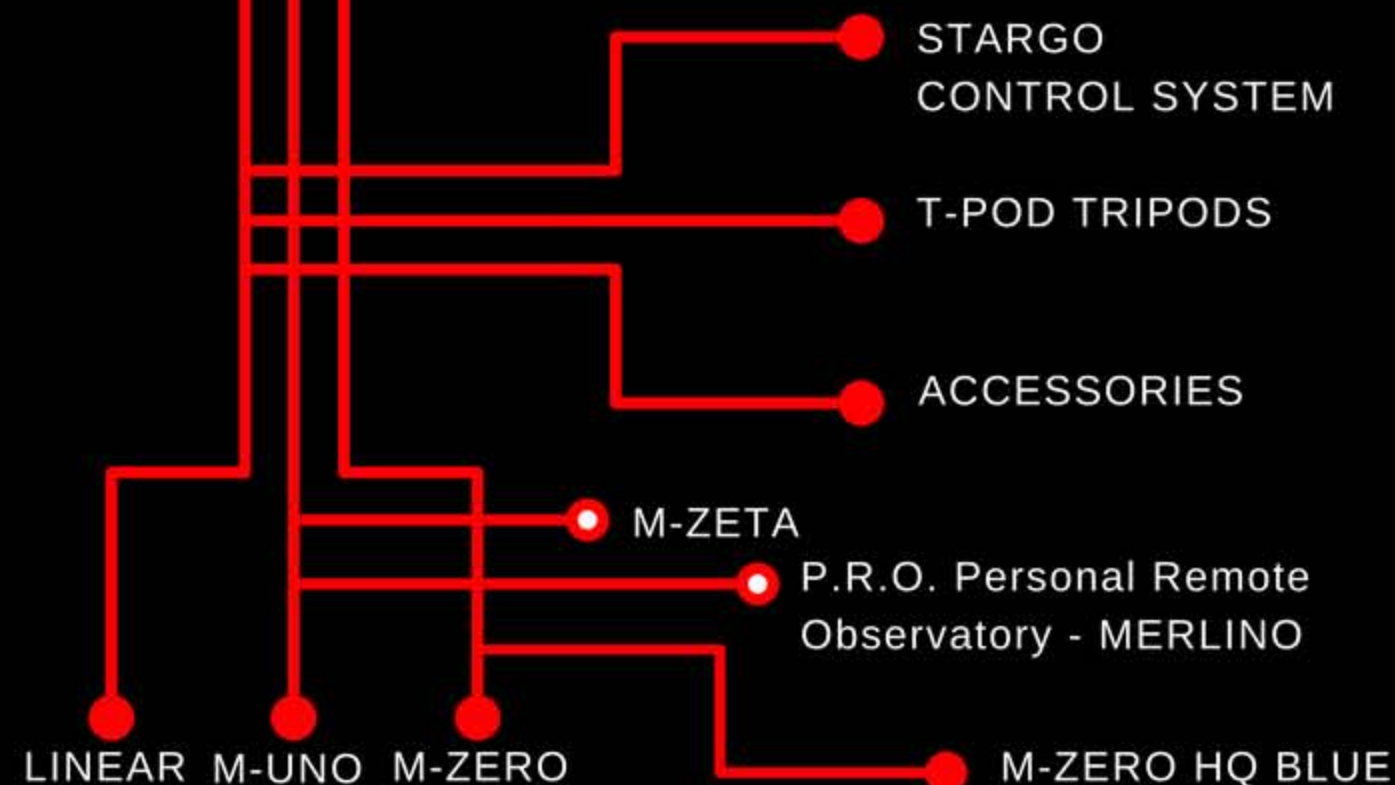


**Original Design Made In Italy - All our products are developed to be easy and friendly, without maintenance and high quality manufacturing, for giving you the maximum performances for a long time.**



**No Meridian Flip Needed - Our M-zero and M-uno single arm astronomical mount allows to track an object all night long without the needing to flip the telescope when the mount is passing through the meridian!**

**FOLLOW US  
DAY-TO-DAY**

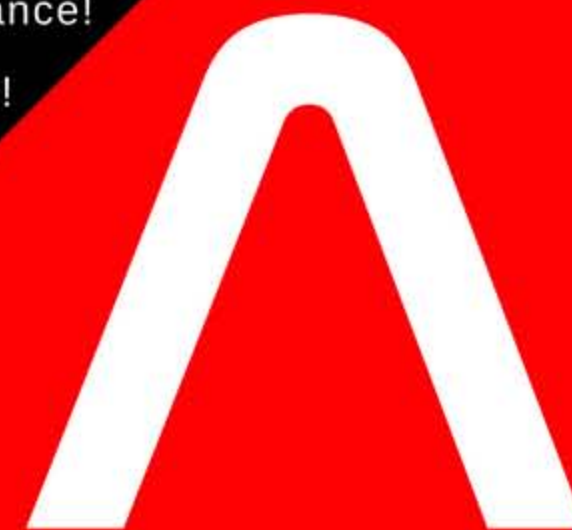


## OUR VISION

- Designed to revolutionize the world of astronomy
- No wear, no frictions!
- StarGO GoTO Control System
- No lubrications, no maintenance!
- Pulleys and toothed belts, zero backlash!
- Anodized aluminium, worked out from single blocks with high precision 5 axis CNC machines

**AVALON  
INSTRUMENTS**

World wide Distributor  
**UNITRONITALIA INSTRUMENTS SRL**



StarGO (GoTo) Control System based on stepper motor technology. The StarGo can manage both Alt-Azimuth and Equatorial Mounts, even if it has been designed mainly for the M-zero, M-uno and Linear mounts, thanks to the programmable Gear Ratio and the special motor kits, it may be easily used with other brand mounts



The StarGO Control Box that is embedded in the Avalon Linear, M-Uno, M-Zeta mounts

The StarGO Control Box is separated for the M-Zero mount

and for use with all other compatible mounts

**STARGO STAND ALONE VERSION**



## StarGO GoTo Control System WiFi or Bluetooth Version.

Cod. Stargo Stand Alone: AVSTARGOBT or AVSTARGOWF

StarGO software & X-Solver: Sky Model 24 star, Polar Align Plate Solve



STARGO STAND  
ALONE WiFi VERSION

Cod. AVSTARGOBT



STARGO STAND  
ALONE BLUETOOTH VERSION

Cod. AVSTARGOBT



in the control box to interact with intelligent devices such smartphones, tablets and, again with Windows and Mac computers.

The X-Solver is an application based on the Plate Solve solution. With X-Solver it is possible to build Sky Model till 24 stars that can be saved and used later even during other night sessions. With X-Solver application comes two very useful tools: the Sky Model and Polar alignment. The Sky Model allow to build easily a sky model up to 24 stars. The tool provide an intuitive GUI that shows a 2D presentation of the sky top view that can be designed from the user simply by the mouse double click. The modeling function is particularly useful for observatory installations, however the speed of its execution, it may be used also for mobile installations, especially for visual observation (after a short period of CCD use at the very beginning of the session). The Polar Align is a tool for a fast and easy Polar Alignment by using the Plate Solve function. WiFi and Bluetooth capability also integrated

### Communication

It performs all the communications with specific components (Focuser, CCD rotator, DSRL camera, and other auxiliary devices) using direct connections and with Windows and Mac computers via USB. The wireless Wi-Fi and Bluetooth capability is also integrated in the control box to interact with intelligent devices such smartphones, tablets and, again with Windows and Mac computers.

### StarGO-BT for Android

The StarGO-BT application for Android devices that allows to interface them with the StarGO control box via Bluetooth connection. With this application the Android devices become like a control pad. This application, as well as the PC StarGO, is under continuous development to add new functionalities.

### EMBEDDED KIT

### EMBEDDED KIT

### EXTERNAL KIT

### AVALON ASCOM

The AvalonStargo ASCOM driver that makes possible the interaction between the StarGO Control Box and the most used astronomical software applications such as Phd2, TheSkyX, SNPP7, Maxim, SGP, CartduCiel, Stellarium, etc.

YOU HAVE TWO MOUNTS AND ONE OF THESE IS THE M-ZERO  
USE STARGO ALSO ON THE OTHER MOUNT

FOR ITS USE WITH ALL OTHER COMPATIBLE THIRD PART'S MOUNTS, YOU NEED A SET OF CABLES TO CONNECT CONTROL BOX STARGO M-ZERO CON DB9 MOTOR CONNECTORS

### Mount upgrading available motors kit



Dual-axis motors kit  
for TREX Mount.



Dual-axis motors kit  
for GP Vixen Mount.



Dual-axis motors kit  
for Losmandy G11  
HS Mount.



Dual-axis motors kit  
for Losmandy G8-G11  
HQ Mount.



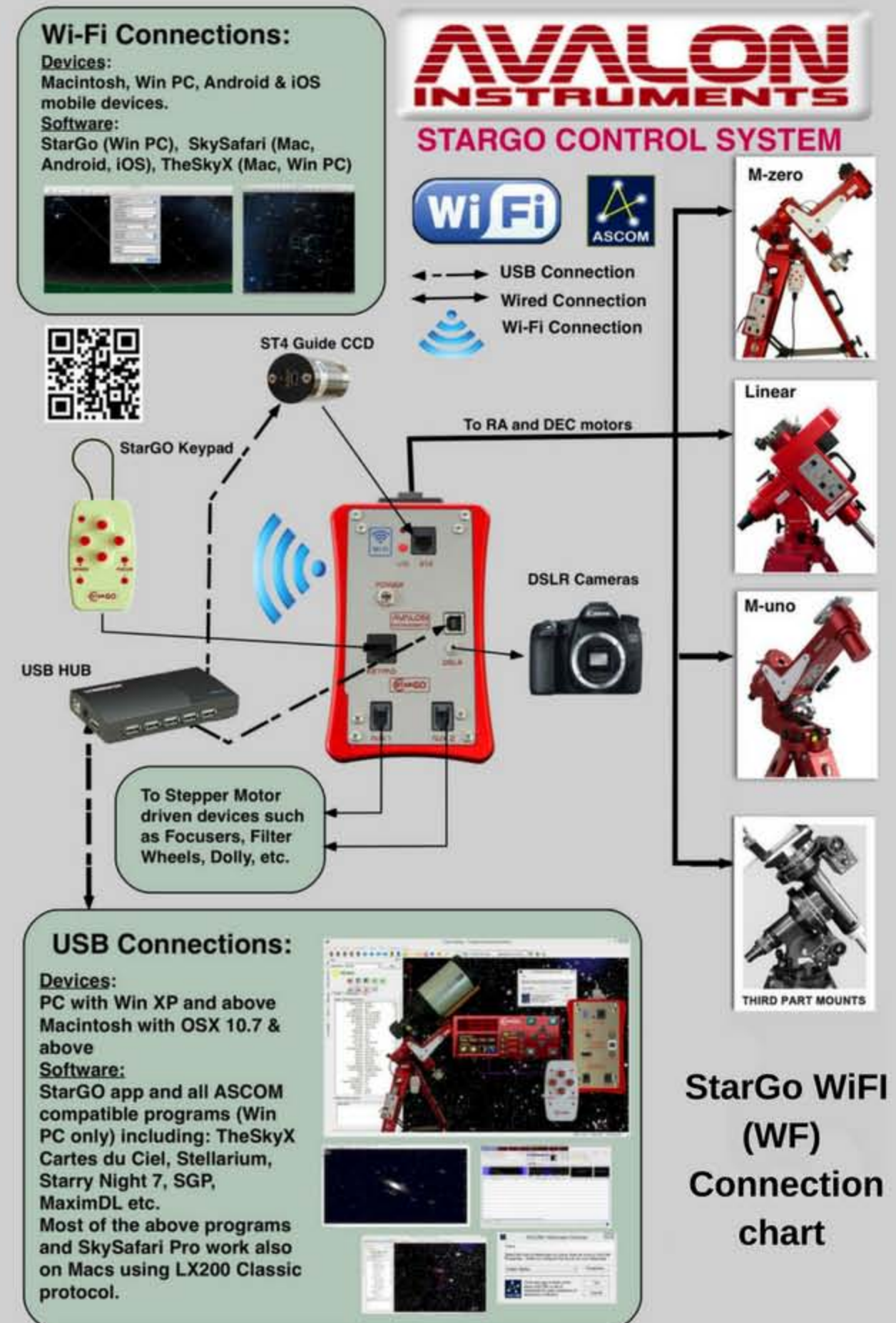
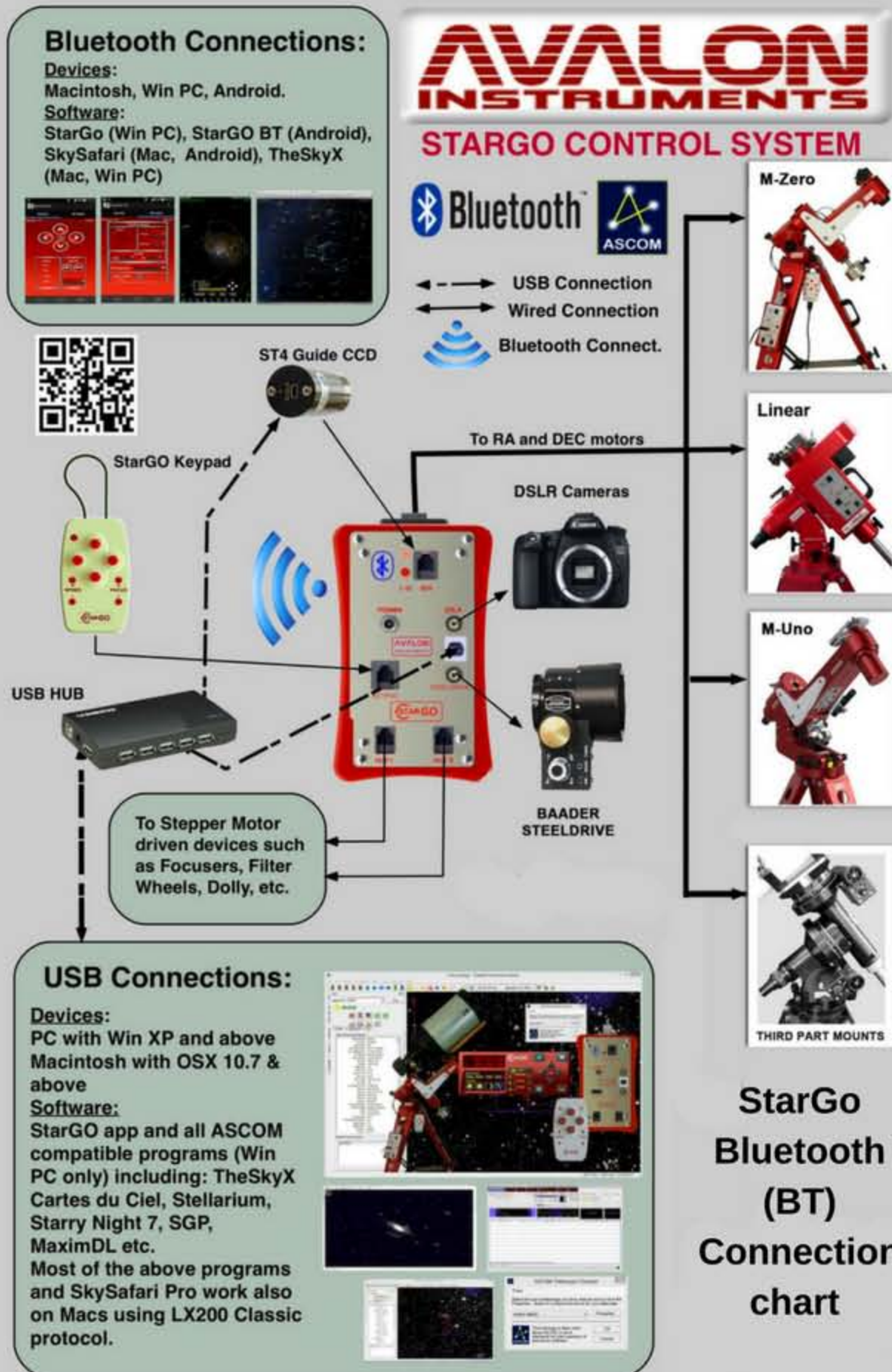
STARGO  
EMBEDDED  
AVAILABLE WiFi or BLUETOOTH  
VERSION ON LINEAR MOUNT



STARGO  
EMBEDDED  
AVAILABLE WiFi or BLUETOOTH  
VERSION ON M-UNO & M.ZETA MOUNTS



STARGO  
EXTERNAL  
SEPARATE  
CONTROL BOX FOR  
M-ZERO MOUNT  
ON T-POD90







## The Company

The AVALON INSTRUMENTS is a DAL SASSO Srl trademark born as a company branch devoted to the production of innovative and high quality products in the field of amateur astronomy.

DAL SASSO Srl company is operating since more than 30 years in the field of precision mechanics, construction of molds and tools for the molding of plastics materials

It has its headquarter in Aprilia, Latina, Italy, a staff of over 50 people and owns an innovative technology based on CAD-CAM and CNC machines that makes it a national reference point in its field.



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