

Classic Space Diorama build designed by John Patrick Funk 11-04-2026

Physical build Features:

1. Display Box, Starfield Backdrop (compartments for lighting electronics)

2. Models:

a. Space Station (w/ electronics)

b. Ferry Shuttle (w/ electronics)

c. Moon w/ miniature bases (w/ electronics)

Display Box Electronics:

1. USB power input

2. Switches for functions

3. On board battery system

4. Motion Sensor (PIR)

5. RGB lighting controller w/LED's

6. StarField Backdrop with LED's and Fiber Optics

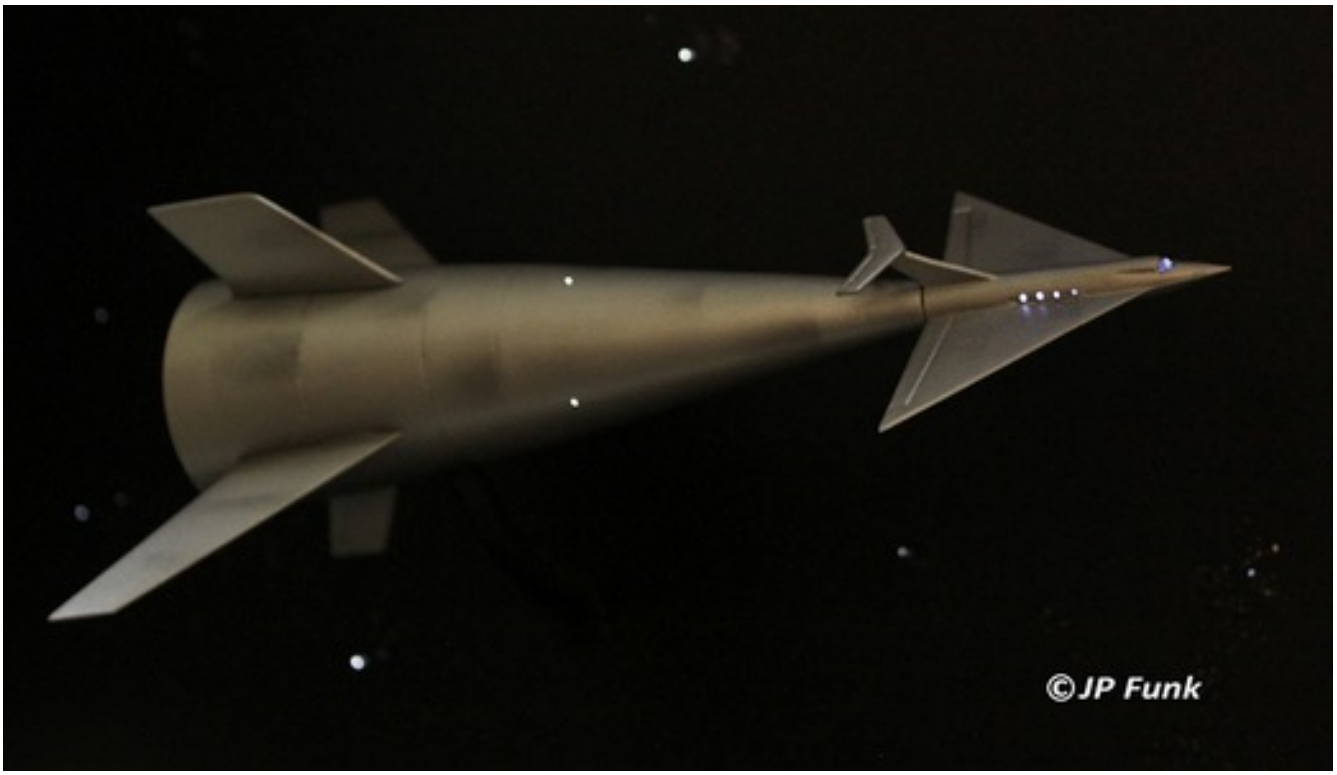
7. Power stand mounts for Space models

Space Station- Space Base model kit modifications: Scratchbuilt/kit bashed: Antennae/ Radar dishes, Solar panels, Upper and Lower Domes. Electronics 10 LED's: 5 White (window) and 5 (4 yellow- 1 red w/circuit) flashing collision markers LED

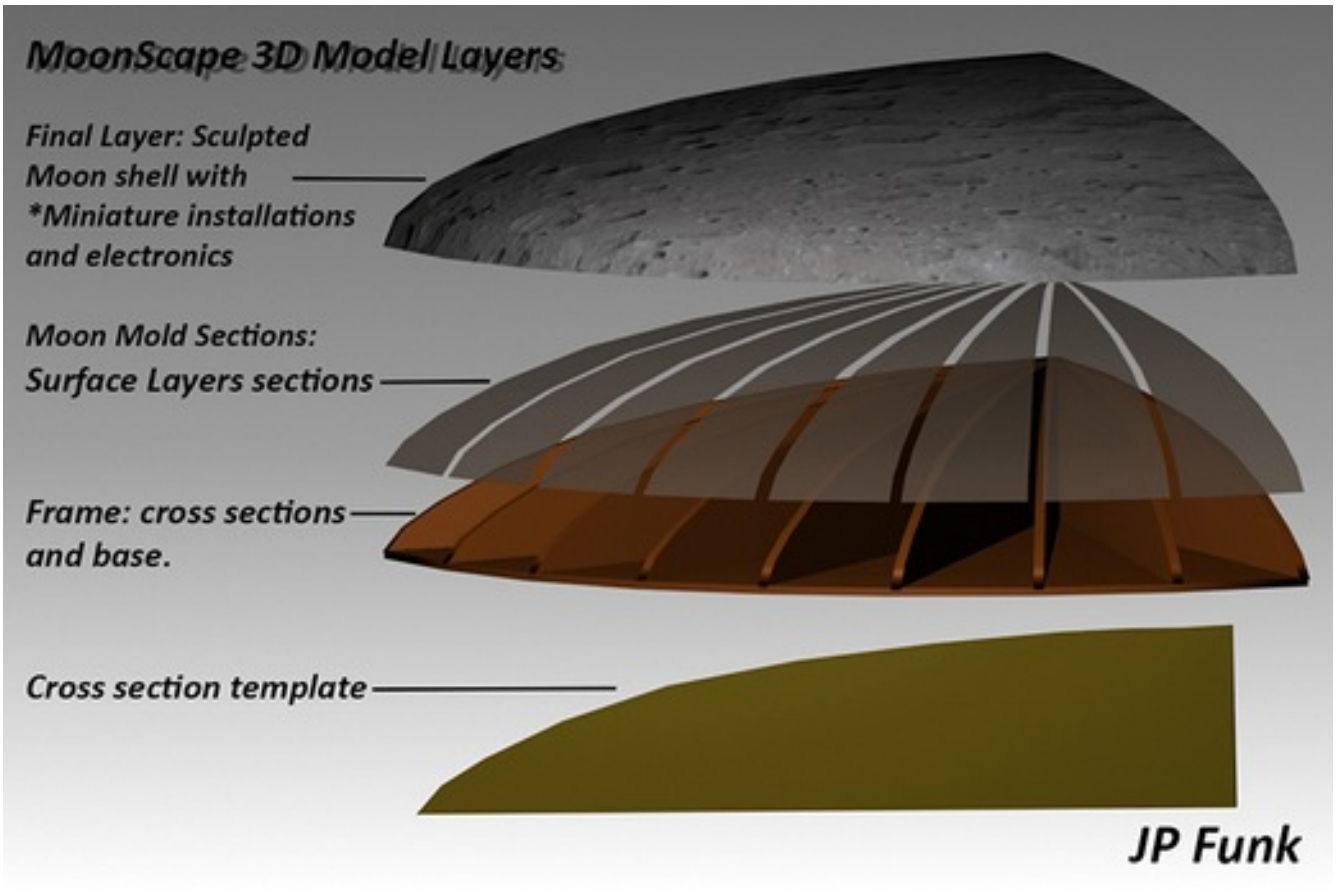
<u>Space Shuttle Ferry model kit</u>- Stock built minor modifications:
Electronics 6 LED's: 1 center Red and 4 Amber Flickering Engines,
1 white flashing Fiber optic anti collision & 1 cockpit/passenger deck.

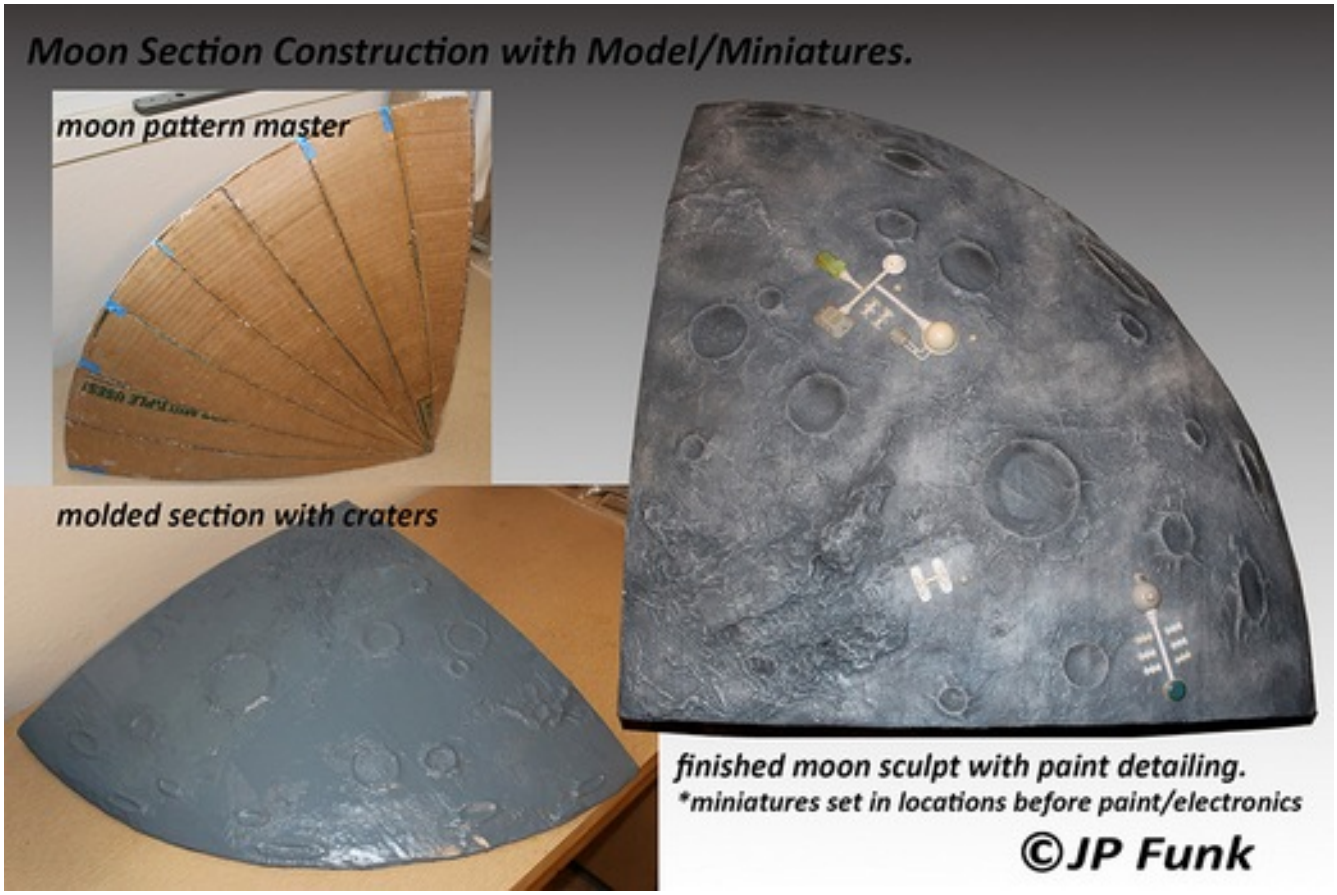






MoonBase installations- Scratcbuilt/kit bashed sections Parts:
Space Base, TOS Enterprise, Klingon, Battletech, X-Wing, Mir Space Station.
Electronics 4 LED's w/Fiber optics: 1 Red (flashing Beacons), 1 Amber and 2 White.
Moon- Custom fabricated ¼ moon scape with craters, custom mounting system and electronics for installations.



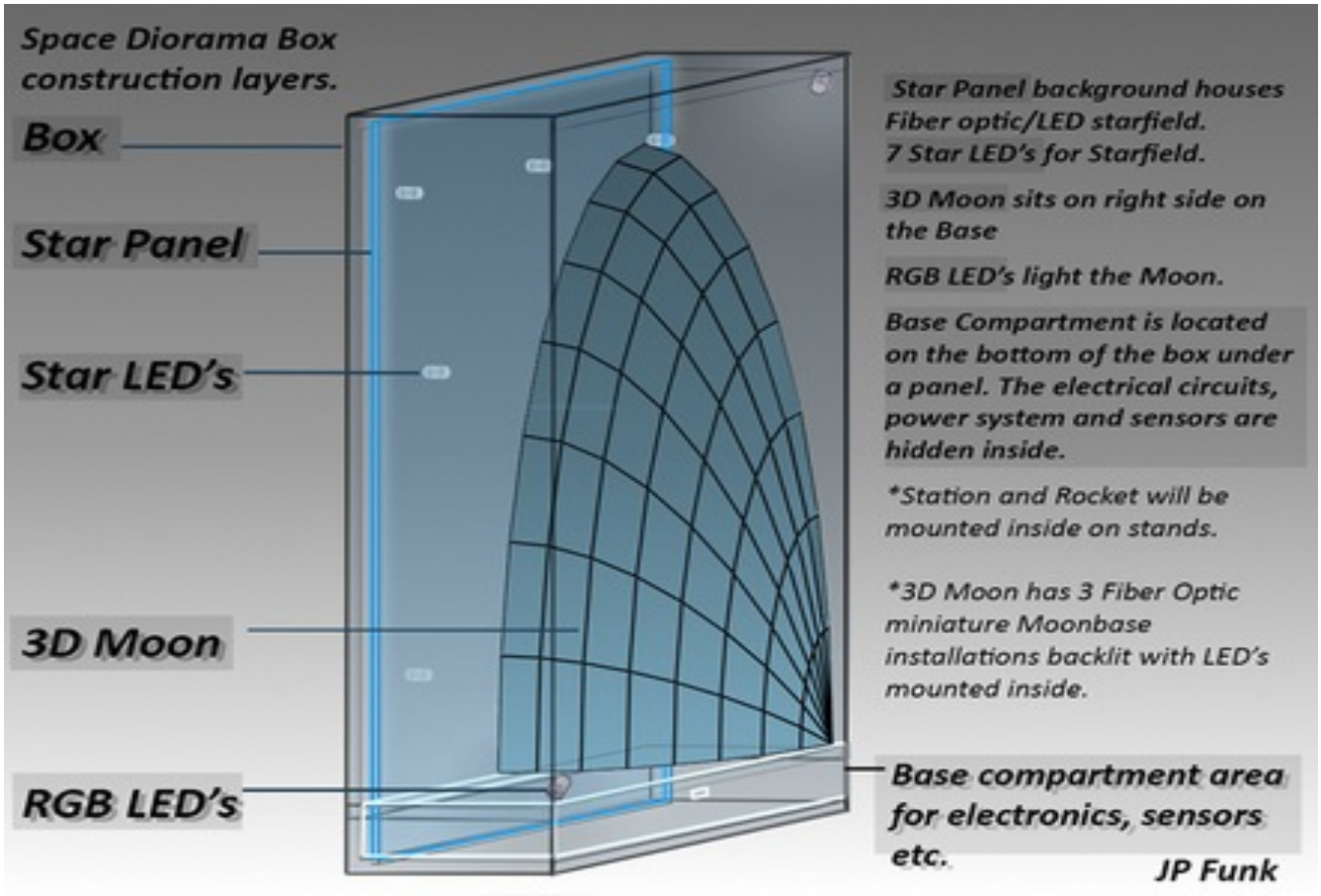


<u>Star Field Backdrop</u>: Masonite Panel with custom mounting & wiring.
Electronics: 5 Large White LED's w/Fiber optics Starfield, custom model mounting stands w/ mini (aux) connector jacks.



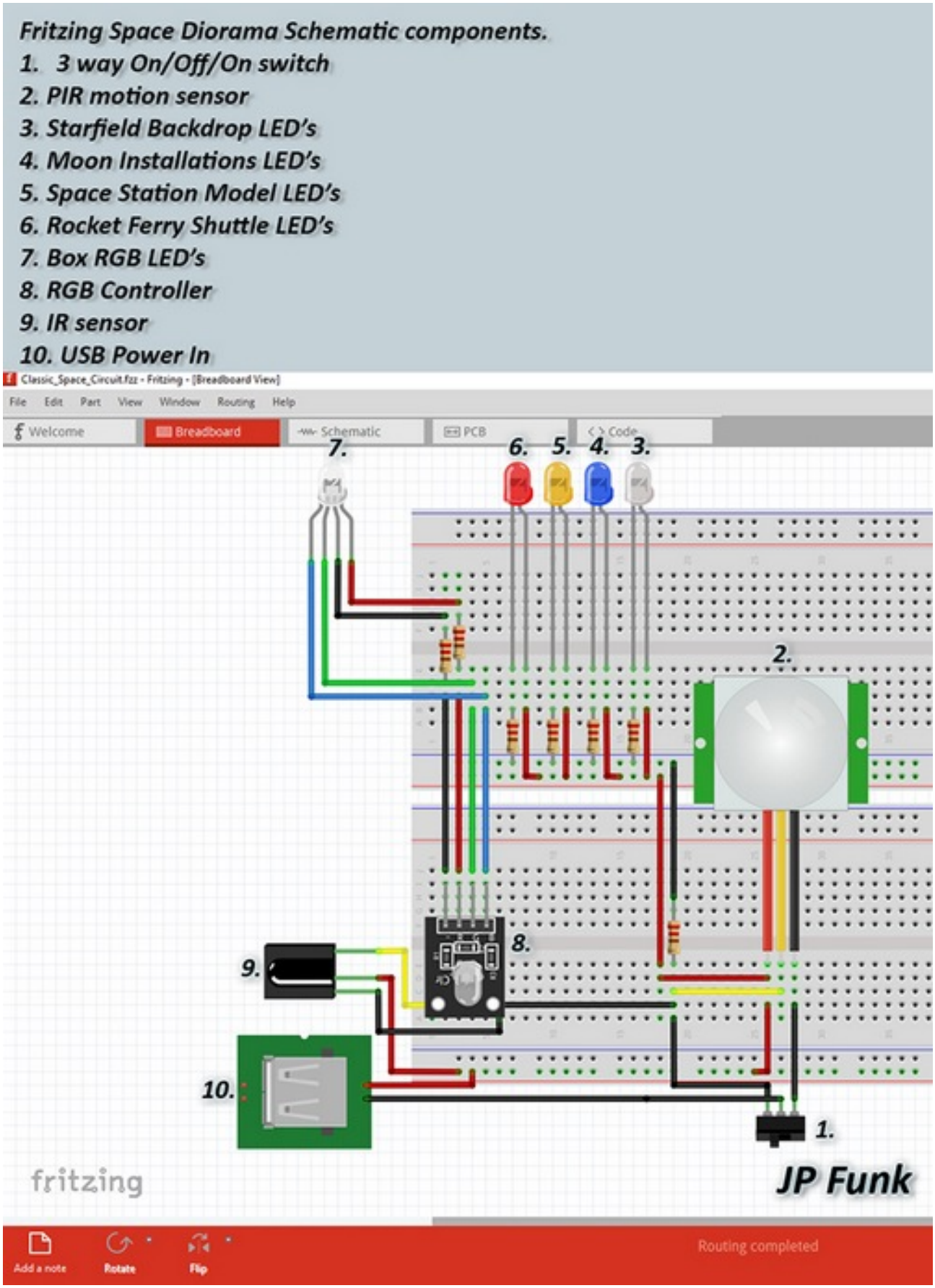
Box enclosure: 1x6 boards (2x 36” & 2x 24”) 2x 3 by 2 foot Masonite boards.

Electronics compartment: 1 x3 way switch, 1 x2 way switch, USB Micro-A female, RGB lighting controller w/ 2X LED’s, 1X White LED (for model illumination), Motion Sensor, 1 x LiPo 3.7 v Battery, 1x USB-C Battery Charger/Regulator board, Ribbon cable/wiring with custom mini electronics *plugs

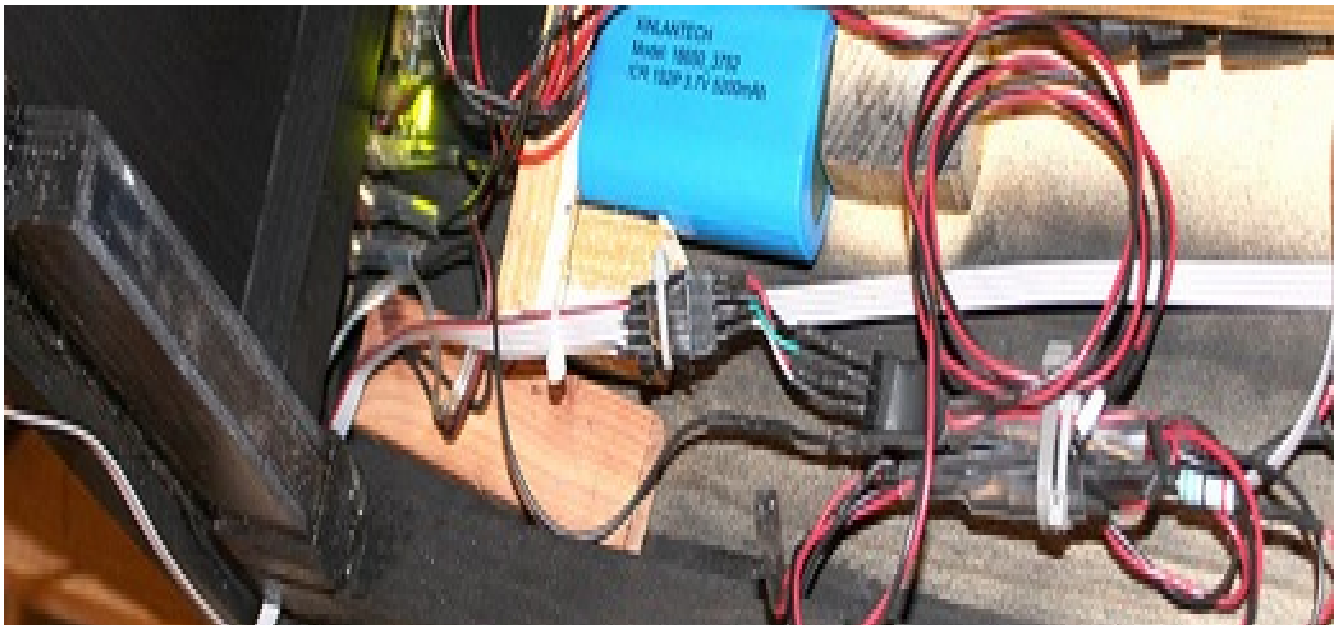




Fritzing electronics schematic design software screen.



Finished Electronics systems including wiring to the models, LED's and Power.



The Completed Table top Classic Space Diorama!

