

The European space laboratory Columbus

The space laboratory Columbus is the European contribution to the International Space Station (ISS) and is scheduled to be attached to the ISS in December 2007. Under contract to the European Space Agency (ESA), Columbus was developed by EADS/Astrium in Bremen, Germany. Columbus provides unique opportunities for research under space conditions in many disciplines.

Assembly Instructions

1. Cut out the outer wall (1) of the module and the orange handles (2). With sharp scissors cut the outer wall at the indicated white marks between the plates. Then glue the outer wall at the gluing edge and form a tube.
2. Cut out the back part of the module (3) and then cut along the black lines towards (up to) the inner circle. Fold at the inner circle so that a flattened cone develops, for which the 12 segments slightly overlap. Then fix it at the gluing edges at the inner side of the module's body (pay attention that the locations of the sections of the insert correspond to the plates of the module).
3. Cut out the inner part (6) and the blue handles. Cut slits between the racks for inserting the blue handles (8). (do as for step 1)
4. Cut out the astronaut (7) and glue him in the inner part of the module. Before doing so, the inner part should already be folded. Now glue together the inner part. Fold inwards the areas for gluing - put glue at the inner side and fix from the outer side. Thereafter, the inner part has to be glued to the struts (supporting beam) (9). (pay attention, the broken lines are NOT folding lines but just marks for facilitating the positioning of the inner part).
5. After the glue has dried up, the inner part with the struts can be inserted into the module).
6. Cut out the front module (2) and fix it at the gluing edges at the inner part of the module's body.
7. Cut out and assemble the support structure (5) for putting the module at display.
8. Finally insert the orange handles (4) into the slits of the outer wall.

Scale: 1:47

By courtesy of EADS/Astrium

