

XChange / Quick Start Tutorial

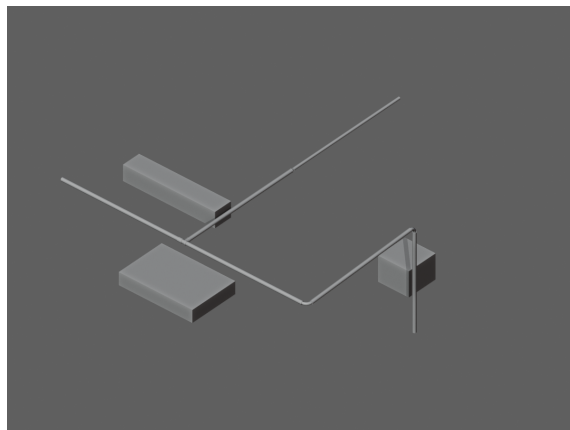
WORK IN PROGRESS | Development build 5.3.0. Features and interface may change. Reviewed 8 October 2026.

Transfer a test block from Blender to Revit

Allow around 15-25 minutes once installation is complete.

Before you start

Use Blender 5.3 on Windows and a supported full Revit installation with the companion add-in. Open a practice .rvt project based on a mechanical/plumbing template with at least one pipe type and piping system type loaded.



Development fixture preview: simple solids and pipework used for Revit exchange testing.

1 / Prepare a known-size object

In a new Blender scene, use a cube with dimensions 1 m x 0.5 m x 0.25 m. Apply scale, save xchange-practice.blend and give the object a recognisable name.

2 / Assign export scope

Open XChange > Revit > Prepare. Ensure the cube is not excluded and choose Generic Models as its category. In Export, choose the target Revit version and the intended selection or Whole Scene.

Build and inspect



Development screenshot: QAD sections comparing a native pipe and an IFC-imported pipe.

3 / Write the package

Choose Export Package and a new output folder. Keep the whole folder together, including the manifest and geometry files. Do not send only the .blend or elements.json.

4 / Import the manifest

In the practice Revit project, choose XChange > Blender > Import Package. Select manifest.json (or your named manifest) from the exported folder.

Checkpoint

Inspect the result before continuing. If it differs from the expected operation, undo the last change and repeat with a simpler selection. Save a practice checkpoint once it looks correct.

Finish and verify

5 / Review and import

Review the import dialog. Set the default pipe type and piping system required by the dialog, even though this first example is a mesh block. Confirm Import and read the summary/report.

6 / Check in a 3D view

Use Zoom to Fit and inspect the Generic Models DirectShape. Check the dimensions and location against the Blender object. One Undo reverses the import if the result is wrong.

Your completion checklist

- The export folder includes the manifest and geometry files.
- The report accounts for the intended object.
- The imported DirectShape has the expected category, dimensions and location.

If something is not right

No import command

Restart Revit after installation and ensure the add-in was allowed to load.

Import dialog cannot proceed

Use a project .rvt, not a family .rfa, with a loaded pipe type and piping system type.

Link Revit cannot read an .rvt

Run Revit with the companion add-in or supply a mesh link package previously exported from that model.

Guide scope: instructions were checked against the supplied source and documentation. This is not a certification that every exercise has been run on every build. Development images and earlier captures are labelled.