

# Au.diMount XJ1 Fixing System

## Installation Instructions

### System Description

The Au.diMount XJ1 System is designed to provide a concealed fix wall mounting solution for timber substrate panels where expressed joints are required.

XJ1 incorporates a unique integral joint finishing detail and the joint infill colour can be selected to match or contrast panel finish, providing stunning results.

### Features and Benefits

- Fully concealed fixing for uninterrupted appearance
- Easily demountable for maintenance and access to services
- Integral expressed joint backing detail
- Wide range of joint infill colours available.

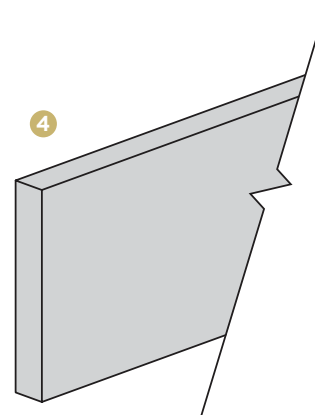
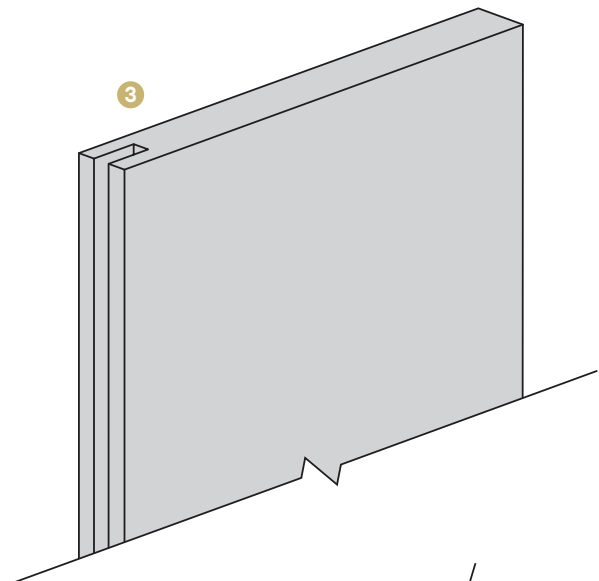
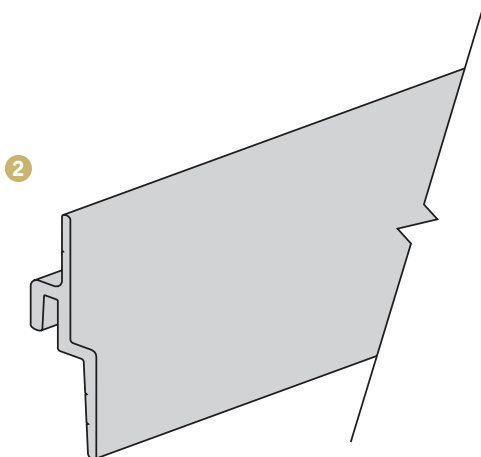
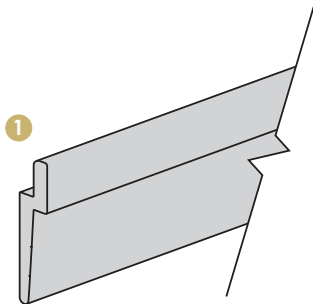
### XJ1 System Applications

- Suitable for timber substrate perforated wall panels
- Applicable to expressed joint width from 6mm to 50mm (for wider joints contact Atkar Technical staff)
- Minimum panel thickness: 12mm
- Recommended for interior use
- Can be installed in the most common configuration of corner wall joints



### System Components

1. Carrier Rail AMC061
2. Panel Rail AXPI61
3. Vertical Infill Strip AXV09
4. Horizontal Infill Strip AXH06
5. Screws supplied by others



Installation Instructions

XJ1 System

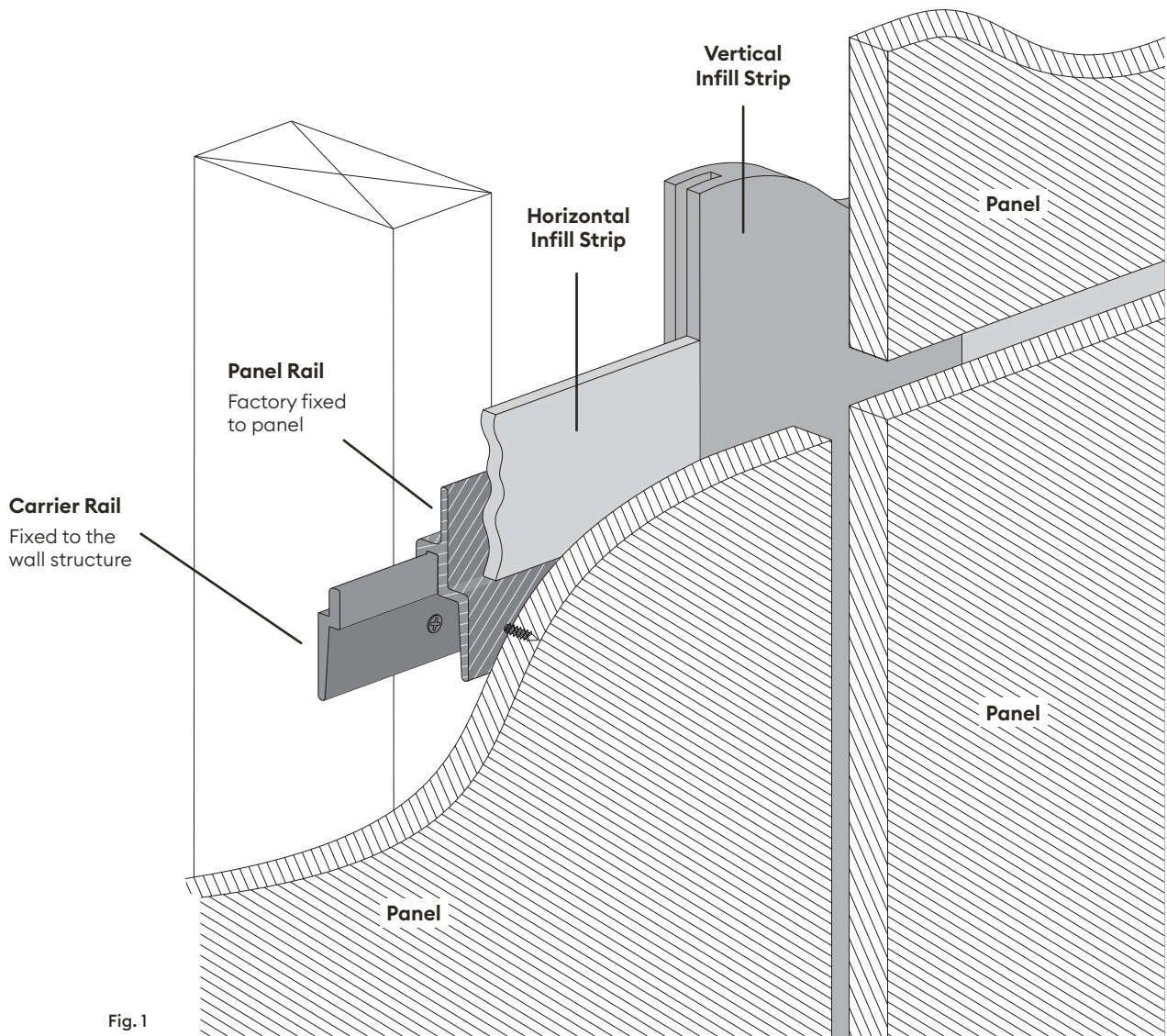


Fig. 1

Fixing Guide

The fixing method is of a general nature only and does not consider wind loads, expansion joints or other specific design requirements that should be separately analysed and provided by the specifier.

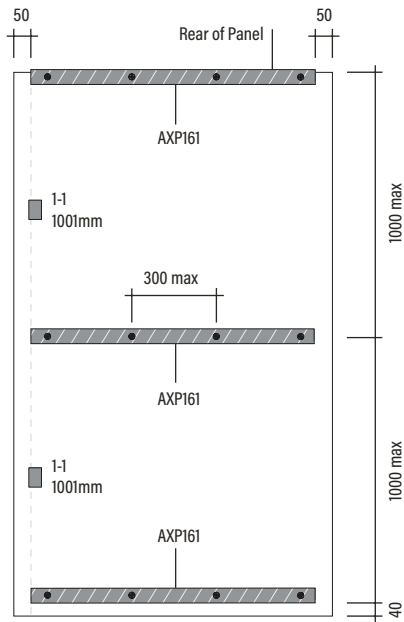
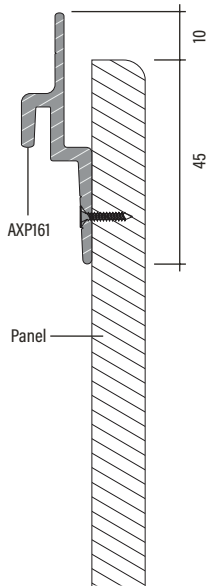


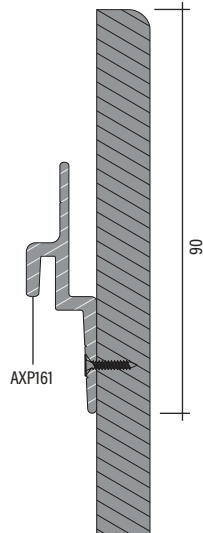
Fig. 2

## Installation procedure

1. Panels are delivered with pre-mounted Panel Rails (fig. 2)
2. Top Panel Rails are pre-mounted according to figure 3 or figure 4 (ceiling abutment).

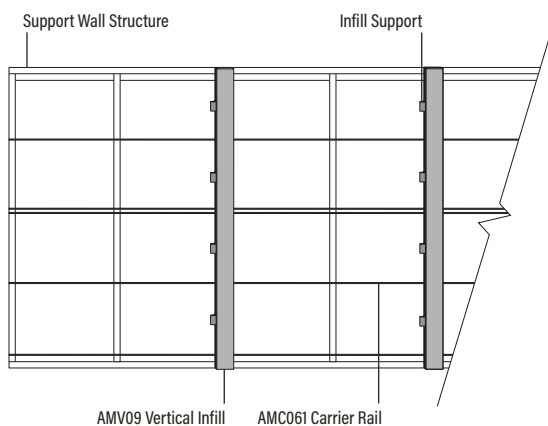


**Fig. 3**  
AXP161 location at horizontal joint



**Fig. 4**  
AXP161 location for ceiling abutment

3. Fix Carrier Rail AMC061 onto support wall structure, in position to match panel rails. It's recommended to use a layout jig and a laser level to ensure accurate levels and spacing among rails are maintained.



**Fig. 5 Typical wall framing layout** Panel shown removed for clarity

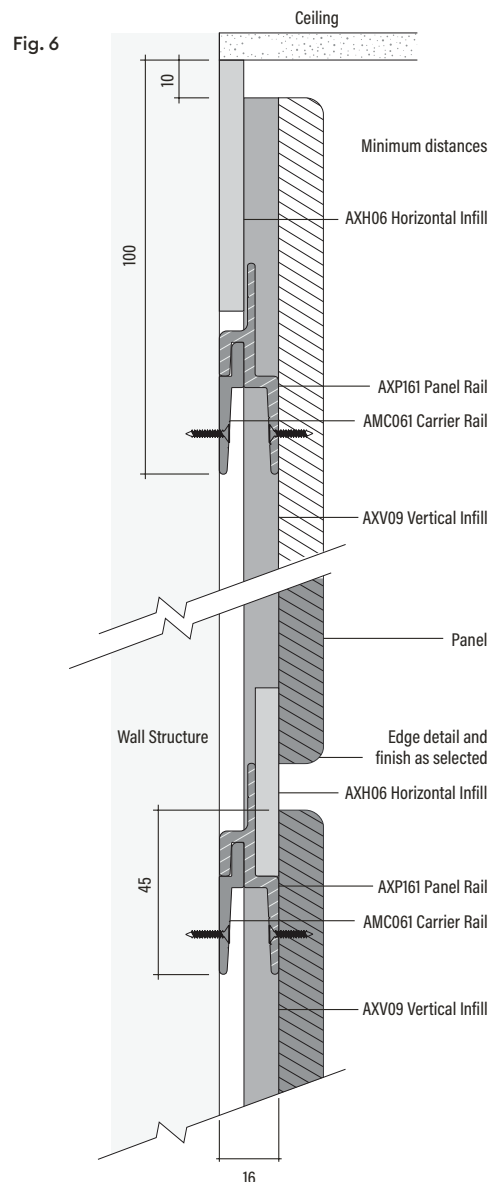
All channels should equally share panel weight and be packed to accommodate installation discrepancies. Alternatively, one channel only may be packed and the clearance on the remaining channels can be taken up by injecting a short bead of construction adhesive into the recess, at the top of the Carrier Rail.

4. Hang panel on the wall ensuring that Panel Rails fully engages with Carrier Rails.

5. Cut Vertical Infill Strip AXV09 to the height of panel and insert between AMC061 Carrier Rail and Panel (see Fig. 1). Press fully home to locate edge rebate over AMC061 infill support.

**Note: Step 5 is not required if Vertical Infill Strips have been already pre-mounted onto panel.**

6. Cut Horizontal Infill Strip AXH06 to suit and carefully fit into the rear top edge of the panel
7. Repeat installation sequence for adjoining panels, making minor adjustments where necessary to accommodate any tolerance discrepancies
8. When all panels have been installed, check adjoining panel flushness and joints alignment; make adjustment when necessary.



### Note:

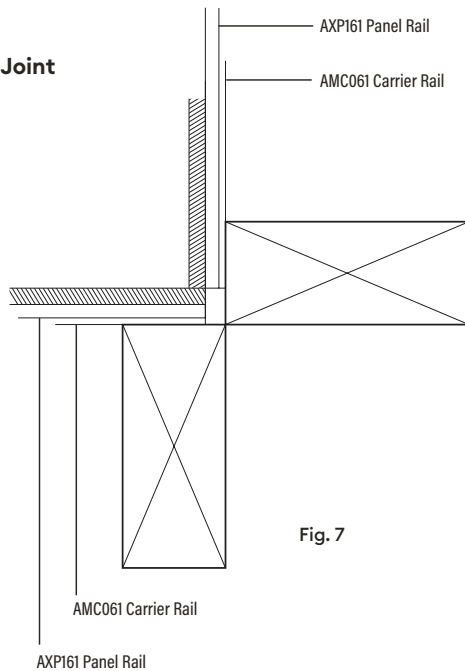
- Where perforated acoustic panels are used with SAB (Sonus Acoustic Backing), a minimum 90mm air space must be maintained behind the panel.
- Successful installation relies on accurate fixing of battens to both wall and panel. It is recommended to use a jig to assist in uniformity and speed of installation.
- Permanent panel installation can be achieved by injecting construction adhesive onto carrier rail prior to assembly.

## Corner Installation

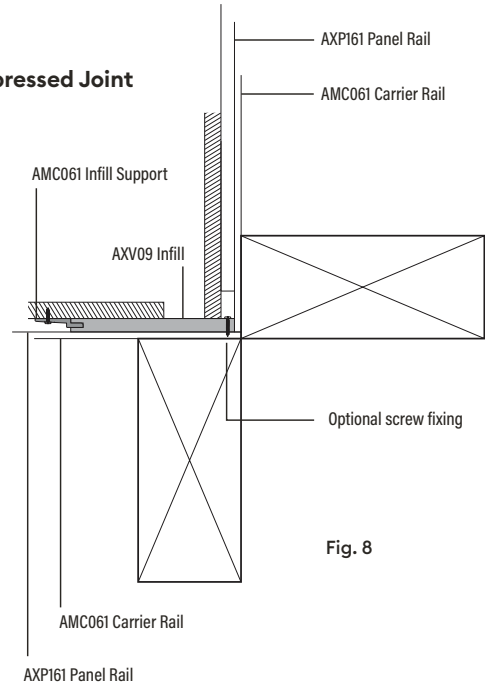
XJ1 system allows to use a variety of techniques for constructing internal and external corners. See below configurations suitable for most common applications.

### Internal Corner Details

**Butt Joint**

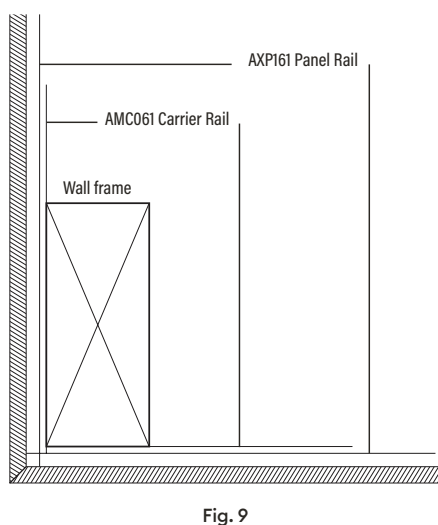


**Expressed Joint**

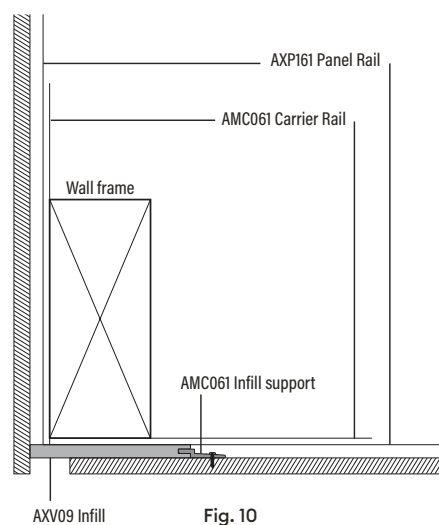


### External Corner Details

**Mitred Joint**



**Expressed Joint**



## Demounting Instructions

It is not recommended that panels are demounted and re-installed by unqualified personnel. Any lack of system knowledge could lead to a system failure.

1. To demount a panel for maintenance, remove Infill Strips first, then lift panel up and tilt down to disengage Panel Rails from Carrier Rail
2. To re-install a panel, engage Panel Rail with Carrier Rail.

## Compliance with AS Standards

If seismic compliance is required, please contact Atkar Technical Support on 1300 333 833 or email [enquiries@atkar.com.au](mailto:enquiries@atkar.com.au)