

Wall-mounted TVs - Design Details & Tips

The information below is to assist those involved with the design and construction of domestic premises. Specifically, details regarding how to plan for and where to place the infrastructure for wall mounted TVs. For more information don't hesitate to contact us and we'd be happy to offer assistance to your project.

DON'TS

- X Don't build extra noggins to support TVs
- X Don't place power sockets behind the TV
- X Don't use analogue modulators for MATV
- X Don't place the TV too high on the wall

DO's

- ✓ Use 12mm ply between studs for support
- ✓ Use recessed power points or "413" sockets
- ✓ Use installers that are aware of new technology
- ✓ Allow for at least one data point to each TV



WALL-MOUNTED TVs WITH RECESS

- ✓ Framing the TV looks great and helps lower the protrusion into the room.
- ✓ This is a great option for media / lounge rooms where people may be able to see down the side of the TV when entering the room. Recessing the TV keeps the TV bracket and all of your cables behind the TV hidden.

Allow 100mm gap around the TV for sufficient ventilation.

DIMENSIONS OF RECESS: Width, Height, Depth in mm. This is intended as a guide only. Some TV sizes may differ.

26" TV	870,	650,	95	32" TV	1000,	730,	110
42" TV	1300,	950,	100	46" TV	1300,	910,	105
50" TV	1420,	950,	120	52" TV	1470,	1050,	120
55" TV	1550,	1070,	120	58" TV	1650,	1150,	120

TV HEIGHT: In a lounge or living room generally, people are sitting lower to the ground than in a bedroom. As a result in bedrooms we mount TVs much higher on the wall due to the fact that people may be lying down. This is subject to personal preference, so the client should be consulted where possible.

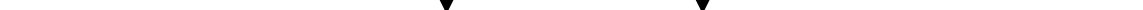
Activity and rumpus rooms can be slightly different whereby the TV viewer may be sitting on the floor, hence we'll mount these TVs with centres at 1m.



40-55" TV in a Lounge Room
 Screen Height 1250mm
 to the centre of the screen



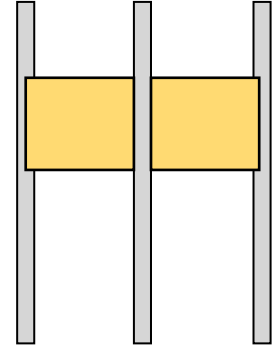
Small LCD TV in a bedroom
 Screen Height 2000mm
 to the centre of the screen



SUPPORT: TVs can **NOT** be mounted into plasterboard alone. The TV bracket must be screwed into a solid support structure.

Placing noggins inside the wall to support the TV however, obstructs cables being installed to a DVD player / Austar box at floor level. With an open cavity behind the TV, cables can be easily run through the wall at a later date.

If there is no support directly where the TV is to be placed, use 12mm plywood between the studs. This allows the TV to be positioned at the desired location. Behind the plywood there'll be a cavity in the wall which will allow for cabling after the plasterboard is installed.



POWER OUTLETS:

Using standard power outlets behind a TV that is to be wall mounted, limits the ability to mount the TV flush to the wall. By using a recessed power outlet or an un-switched "413" socket mounted on the stud inside the wall cavity, the TV bracket and the TV fit flush on the wall. Even with a side entry power plugs still sit at least 40mm from the wall. Some modern TVs are 30mm thick.



OUTLET HEIGHTS: As you can see by the pictures above, if TV and power outlets aren't installed in the right position on the wall, the final look is less than professional.

- Recessed points for a lounge / living room: 1050mm from floor
- Bedroom points for TVs on swivel brackets: 2000mm from floor
- Lounge Room TVs with a 413 socket in-wall: 1500mm from floor

If unsure what height to place the outlets, specify both the TV/Data and power point 300mm from the floor. Although not ideal, exterior cable duct can be installed from point to TV at a later date if needed.



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