



# VDSL2 Central Filter/Splitter



EM1660



EM1670



## Perfect for

- Users that have their Internet provided by VDSL (including FTTN and FTTTB NBN) and at least one phone or fax connected in the house
- NBN users who have been promised certain speeds and want to maintain the quality of their service

## KEY FEATURES

- ⌚ Designed to get the best from your VDSL2 internet connection
- ⌚ Perfect for any Fibre-to-the-Node (FTTN) or Fibre-to-the-Basement (FTTB) NBN customers who will have the high speed Internet delivered into their homes via VDSL
- ⌚ Supports vectored VDSL
- ⌚ Separates data and phone signal so there is no interruption between the two
  - Eliminates any broadband drop outs due to phone calls or faxes being sent on the same line
  - Minimises voice band interference to ensure quality phone calls
- ⌚ Designed for central installation that will work to filter all connected equipment throughout a premises
- ⌚ Conforms to local safety and Telstra standards
- ⌚ Also suitable for alarm systems





## SPECIFICATIONS

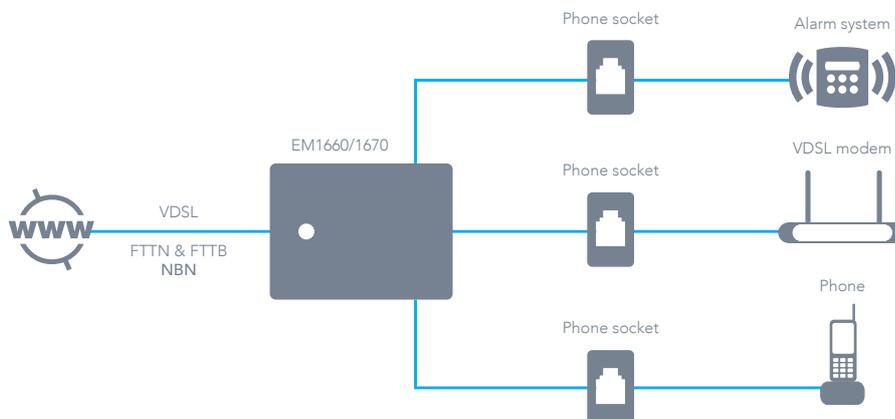
### PHYSICAL

- Material: Plastic high impact ABS
- Dimensions: 44 (w) x 26 (h) x 90 (d) mm

### COMPLIANCE

- Telstra RCIT.0004
- Compliant to AS/CA S041:2015
- S002-App. F
- TS001, TS002 and AS/NZS60950(AS3260) safety
- Meets ETSI TS 101 952-1-5 V1.1.1 & ETSI 101 952-4 v1.1.1 (2012) standard
- G.dmt, G.Lite, ADSL2, ADSL2+, VDSL2, VDSL2+ compatible

## VDSL2 Central Filter/Splitter



The NBN roll out is well and truly underway, and with a majority of the population set to receive the enhanced NBN broadband speeds via FTTN or FTTB, a simple VDSL filter can be the difference between a fast and reliable connection and a troublesome, unreliable connection.

DSL filters are designed to separate the DSL signal from the voice frequency signal, so that the Internet and phone connection are isolated from each other so there is no impediment and quality is maintained. If you don't have a filter/splitter, neither service will work at its full capacity.

With the NBN promising minimum speeds for certain connections, it is of utmost importance that service providers and end users alike do all that they can to ensure that these speeds are met. By simply installing a VDSL filter into a user's configuration, any potential speed and connection issues can be easily avoided. It is particularly important for FTTN/FTTB NBN connections as VDSL is much more sensitive to noise. Greater bandwidth and greater speeds use higher frequencies that are more vulnerable to interruptions.

The EM1660 and EM1670 are Central Filters that require professional installation. Because they are installed at the "gateway" to a property, users can be ensured that all signals throughout a house are filtered and speeds will be maximised. As all houses are wired differently, wiring irregularities have impact on DSL speeds and disturbance on a line. By installing a central filter/splitter, you can eliminate any possible troubles that can be caused by irregular wiring.

The EM1660 is a small sized indoor filter/splitter while the EM1670 comes in a weatherproof enclosure for outdoor installations.

The EM1660 and EM1670 both conform to all local safety and Telstra standards.



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