

IMPORTANT NOTICE

AV CONNECTION INSTRUCTIONS

PB18A

This power board has an improved audio-visual antenna interface specifically designed to protect your home entertainment system from antenna borne static discharge or lightning side flash to significantly reduce the risk of damage to your equipment.

This enhanced protection capability creates increased impedance to the signal you receive. Because of the wide-ranging variance in signal strength throughout Australia this improved protection may compromise reception in some locations.

For strong signal optimum locations the increased impedance will be fully compensated by your television or set-top-box. However in locations where the signal strength is not strong or depleted due to an outdated antenna (compromised by age), antenna quality or set-up an alternate connection sequence is recommended. Before connecting the antenna protection first observe the reception quality without the protection connected, then connect using the connection best suited for your location. The various connection sequences are outlined below:

- 1. STRONG SIGNAL OPTIMAL LOCATIONS:** If your reception is suitably strong, connect the incoming cable to the IN connector. Connect the outgoing cable from OUT1 to your television or set top box. Your system is now receiving full strength antenna and power protection.
- 2. LOWER SIGNAL LOCATIONS:** If the above connection results in a degraded signal connect your incoming cable into OUT1 and outgoing cable to OUT2. Your system continues to receive adequate antenna protection and full strength power protection.
- 3. MARGINAL SIGNAL LOCATIONS:** It is possible in some outlying fringe where television signals are marginal you may still suffer from a degraded signal. Under these circumstances you may not be able to take advantage of PowerGuard's full protection. Because of PowerGuard's increased protection and the increased impedance a normally acceptable fringe signal may become unstable. Consider upgrading or relocating your antenna system to improve your overall signal performance e.g. remove extensions and other splitters previously used for analogue services.

- a. You can bypass the antenna protection by making a direct connection from the antenna to your receiver, maintaining power protection but no antenna protection.*
- b. You can connect by connecting your incoming cable into OUT2 and outgoing cable to OUT1 with minimal impedance and reduced antenna protection, providing a direct earth, controlled discharge path in the event of a side flash.*

- Note:**
- **Cable Service Users:** *Satellite and Cable service connections should be made after the Cable or Satellite set-top box, not before.*
 - **Improvements:** *As digital services expand and improve, review your connection strategy.*

IMPORTANT NOTICE

AV CONNECTION INSTRUCTIONS

PB28A

This power board has an advanced and powerful audio-visual antenna interface specifically designed to protect your home entertainment system from spurious noise that may affect your signal performance and additionally to reduce the risk of damage to your equipment from antenna borne static discharge or lightning side flash.

These advanced protection and filtering capabilities create increased impedance to the signal you receive, therefore because of the wide-ranging variance in signal strength throughout Australia the improved protection may compromise reception in some locations.

For strong signal optimum locations the increased impedance will be fully compensated by your television or set-top-box. However, in locations where the signal strength is not strong or depleted due to an outdated antenna (compromised by age), antenna quality or set-up an alternate connection sequence is recommended. Before connecting the antenna protection first observe the reception quality without the protection connected, then connect using the connection best suited for your location, the various connection sequences are outlined below:

1. **STRONG SIGNAL OPTIMAL LOCATIONS:** If your reception is suitably strong, connect the incoming signal cable to the IN connector. Place the outgoing cable from OUT1 to your television or set top box. Your system is now receiving full strength filtering and power protection.
2. **LOWER SIGNAL LOCATIONS:** If the above connection results in a degraded signal connect the incoming cable to the IN connector. Place the outgoing signal cable from OUT2 to your television or set top box. Your system continues to receive adequate antenna protection with reduced filtering and full power protection.
3. **MARGINAL SIGNAL LOCATIONS:** It is possible in some outlying fringe areas where television signals are very marginal you may still suffer from a degraded signal. Under these circumstances you may not be able to take advantage of PowerGuard's advanced filtering circuitry and full protection. Because of PowerGuard's increased protection and the increased impedance a normally acceptable fringe signal may become unstable. Consider upgrading or relocating your antenna system to improve your overall signal performance e.g. remove extensions and other splitters previously used for analogue services.
4. **AMPLIFIED TV SPLITTER** (connecting two receivers to one incoming signal): In a strong signal location, you can operate two receivers sharing the antenna via the amplified splitter. Connect the incoming signal cable to the IN connector. Place the outgoing cable from OUT1 to the first television (receiver) and place a second outgoing cable to the second television (receiver). Both receivers are now benefiting from full strength filtering and power protection.
 - a. *NB: It is possible in some outlying fringe areas where television signals are very marginal or inadequate antenna installations, you may suffer from a degraded signal. Under these circumstances you will not be able to take advantage of PowerGuard's Amplified Splitter.*
 - b. *The Splitter will increase impedance and is therefore not guaranteed to operate in areas where there is lower or marginal signal reception.*

- Note:**
- **Cable Service Users:** Satellite and Cable service connections should be made after the Cable or Satellite set-top box, not before.
 - **Improvements:** As digital services expand and improve, review your connection strategy.