HPM Legrand forges a new era in the electrical industry.

Poised to reinvigorate the electrical category and boost the profile of electrical systems and accessories amongst the building, design and consumer communities, HPM Legrand has launched Arteor™ - a broad new range of more than 600 conventional and automated products.

The new range spans from affordable 240V switches and powerpoints, to innovative radio automation solutions and fully networked home automation systems. This impressive product release catapults the Legrand brand into a new realm of residential, office building and hotel projects in Australia and New Zealand.

Arteor™ was developed by an international team of designers from HPM Legrand’s design studio in Australia as well as other Legrand design studios throughout Europe and Asia. This was a deliberate move to design a global range at the very forefront of technology and consumer trends, as well as a range perfectly adapted to the Australian and New Zealand markets. The new versatile range features:

- 17 coverplate finishes including Black Mirror, Woven Metal, and Galuchat - a precious fish leather
- Conventional switches, powerpoints, data and AV sockets; unique micropush switches; touchplate dimmers, lighting and shutter controllers; door entry systems; touchscreens; and hotel specific products
- ZigBee radio and SCS-Bus wired automation systems which can be combined for a more flexible automated solution
- Intercom integration
- International flexibility - international outlets available
ARTEOR™
Conventional devices...

MATERIALS
Providing more options for customising interior themes, all Arteor™ devices are available in 17 coverplate finishes.

The Arteor™ range contains a very high level of detail. Particular attention was paid to the selection and quality of materials, from the most refined to the most innovative, resulting in a collection rich in choice and beauty to make each room and project unique.

Mechanical Switches
- 3 styles are available: Square, Round and Australian '770' style. All switch styles are available in the full range of coverplate finishes.
- 1-2 way, LED indicator, double pole, single throw, spring return, and intermediate switch versions available.
- Australian '770' style available in 1-6 gang.
- Standard mechanism is 16AX (16A).

See Arteor™ at Designex - 22-24 April - Sydney Convention and Exhibition Centre
Arteor Brochures are available to view online at www.legrand.com.au
**Electronic `Micropush’ Switches**

- 2 styles are available: Square and Round
- With neutral
  - 1-2 way, 1000W with LED locator
  - 1-2 way, 2 x 1000W with LED locator
  - 1 way, 3 x 1000W with LED locator
- Without neutral
  - 2-way, 400W
  - 2-way, 2 x 400W with LED locator

**No-Touch Switch**

- For controlling light sources by simply passing the hand in front of the switch
- Ideal for environments with strict hygiene requirements
- Up to 5 switches can be combined to control the same lighting circuit
- 100/240V

**Dimmers**

- Push button – 450VA universal (secondary ‘slave’ mechanism also available for multi-way dimming)
- Rotary - 400VA leading and trailing edge options available

**Socket Outlets**

- Mechanism colours: White and Magnesium
- 10A, single and double GPOs available

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5743 50 (mechanism only) and Woven Metal plate

5725 51 (mechanism only) and Galuchat plate

AR450PMMGN (mechanism only) and Mirror Black plate

AR777MGN (mechanism only) and Pearl Alu plate
Time Delay Switches

- For timer control of the following circuits:
  - 1000W incandescent and halogen 230V
  - 2300W resistive (heating)
  - 400VA fluorescent and ELV halogen
- Adjustable from 25s to 15min

5720 55 (mechanism only) and Galuchat plate

Skirting Light with Motion Detector

- Detects the movement of people and illuminates obstacles for safety and clear passage
- Optional audible signal

5727 26 (mechanism only) and Mirror White plate

Ventilation and Heating Control

- Fan controllers
  - AC speed control – 4 positions
  - Rotary speed controller – 40 to 400VA
- Thermostats
  - Electronic room thermostat – adjustable range from 5°C to 30°C – suitable for controlling heated ceilings and underfloor heating too
  - Electric floor heating – adjustable range from 10°C to 60°C

5727 03 (mechanism only) and Woven Metal plate
**Automatic Switch**

- Movement IR detection
- Adjustable detection distance from 3 to 10m
- Horizontal detection angle: 180°
- Adjustable luminosity threshold: 3 to 1000 lux
- Time delay adjustable from 1s to 16min
- Possible remote manual control with N/C push-button
- Integrated self-protection against overloads and short-circuits
- 2 Wire, without neutral – 400W
- 3 Wire, with neutral – 1000W

**Fingerprint Reader**

- 999 users in stand alone mode or with Legrand door controller Cat No 767 04
- 1 door potential free changeover contact (1A-12V) adjustable from 1 sec to 255 sec
- 1 push-button potential free input
- Built-in back-lighted LCD for clear instruction display
- IP40 – IK04
- Power supply: 12V
- 2 LEDs red/green and 1 buzzer

Card reader and Coded keypad readers are also available.

**Data and AV Sockets**

- RJ11, RJ12
- RJ45 tool-less system – Cat 6, Cat 5e
- Rear pluggable RJ45 sockets – Cat 6, Cat 5e
- WiFi access points
- USB
- Attenuator
- 3 pole XLR
- Loudspeaker
- RCA
- YUV
- Female 3.5mm jack
- Female HD 15
- Female HD + 3.5mm
- HD 15 amplifier
- HDMI
- S Video

![5740 62 (mechanism only) and Pearl Alu plate](image)
![5727 50](image)
Proving flexible, Legrand’s Arteor™ offers two platforms of automation:

1) ZigBee radio technology and
2) SCS wired bus technology

**ZIGBEE RADIO TECHNOLOGY**

ZigBee radio technology is an international low consumption radio communication standard – based on the IEEE 802.15.4 wireless personal area network. Operating at a frequency of 2.4GHz, it can be used to control lighting, roller blinds, scenarios, and technical alarms. This is achieved via transmitters (wireless) and receivers. With no special wiring required, it is the ideal choice when updating conventional installations, extending an existing automation, or for very simple applications.
**Micropush Switches**

Options include:
- Switches
- Dimmers
- Roller/Shutter control
- Scenario control (up to 4 scenarios)
- With and without neutral options

**Touch Plates**

Suitable for 240V wired product and battery operated

Options include:
- Switches
- Dimmers
- Roller/Shutter control
- Scenario control (up to 4 scenarios)

**Scenario Controller**

4 x push buttons to control 4 scenarios (1 scenario can control several functions: lighting, shutters, etc.)

**ZigBee offers two forms of installation:**

1) In the first form, a wall mounted (and wired) switch acts as the actuator and receives signals from battery powered transmitters

2) In the second form, the actuator is a controller that is mounted in the ceiling. It also receives signals from battery-operated transmitters. This second form of installation is excellent for brick and besser block homes

5738 33 (mechanism only) and Mirror White plate

5738 61 5738 60 5737 91

5737 61

5737 60

5737 91

5738 48 (mechanism only) and Mirror Black plate

5737 61

5737 60

5737 91

5738 33 (mechanism only) and Mirror White plate

5737 61

5737 60

5737 91

5738 48 (mechanism only) and Mirror Black plate

1)

2)
SCS WIRED BUS TECHNOLOGY

Based on 2 wire BUS technology working on a private SCS protocol, the BUS offer integrates several applications – lighting, comfort, energy-saving functions, door entry systems, multimedia, remote supervision and control – offering fully networked solutions. It’s ideal for new installations and can be integrated with third party solutions, such as DALI and KNX, through dedicated gateways. Interoperability between systems and third party home automation systems can be achieved through OpenWebNet protocol.

- Centralised architecture: the system consists of actuators and control devices. Actuators controlling the loads are connected to the BUS and to the power line. They are DIN module devices centralised on the panel board. Control devices transmit information to the actuators through the BUS line.

- All devices are connected in parallel to the BUS, which is a cable of twisted pairs. The functions associated to each product depend on the given configuration.

- Easy configuration: devices can be configured using physical configurators on the device itself, or through virtual configuration via computer.
Micropush Switches

- Control lights, blinds, dimmers and scenes
- Various key covers available to aid customisation and user-friendliness
- Sound distribution control

1.2” Touchscreen

- For activation of 4 scenarios, or temperature or sound distribution functions
- Radio station text appears in display if programmed for sound distribution

Touch Plates

Options include:

- Control lights, blinds, dimmers and scenes
- Scenario control (up to 6 scenarios)
- Sound distribution control

3.5” Touchscreen

- Multiple pages of display
- Controls all BUS functions: lighting, temperature, scenario and sound distribution
- Touch technology
- Easy navigation through icons
- Different skins for icon display

**5739 74 (mechanism)**
**5743 70 (right mechanism cover)**
**5743 71 (left mechanism cover)**
and Mirror Black plate

**5739 04**
**5739 07**

**5739 17 (mechanism only) and Mirror Black plate**

**5739 06 (mechanism only) and Mirror White plate**
10” Multimedia Touchscreen

- Controls all BUS functions: lighting, temperature, scenario, door entry system and sound distribution
- Video door entry and surveillance
- Broadcasts multimedia content: web, video, music, radio
- Touch technology
- Easy navigation through icons
- Multiple pages for complete control
- Expand picture for easier viewing
- Webcam capabilities

Video Display

- Handsfree video door entry and home control station
- Integrates with BUS system to control home automation functions
- Cycles all cameras in system

Audio Internal Unit

- Handsfree audio unit for door entry system
- Includes 1 x door release push-button and 2 x auxiliary push buttons for other functions
- Allows intercom between several rooms
ARTEOR™... Hotel Solutions

Bedside unit (SCS) – for convenient control of preset scenarios, blinds, curtains and lighting

5745 91

Bedside unit (conventional) – for convenient control of blinds, curtains, and lighting

5737 95, 5737 85, 5737 35 (mechanisms only) and Gold Brass plate

5725 74 (mechanism only) and Gold Brass plate

5725 67 (mechanism only) and Gold Brass plate

Internal (conventional) and external units to conveniently display status “Do not disturb” or “Make up room”
Our vision at HPM Legrand is to provide products and services that make buildings more energy efficient. This new range of easy-to-use switch sensors can help reduce energy wastage and achieve ‘green’ building targets.

The new sensors offer a variety of lighting management strategies to ensure there is just the right amount of light when and where you need it, these include:

- Occupancy-based control
- Vacancy-based control
- Daylighting control

The best practice for particular projects, e.g. open office areas, is dependent upon the building size and the owner’s needs. For small, single floor office buildings or an open office area in a leased space, occupancy sensors are a good strategy.

HPM Legrand can help you build best practice road maps for your projects for maximum energy-savings. Please feel free to call for further information and project assistance: 1300 369 777.

Here’s a quick snapshot of the new range:

- Stand alone switch sensors
- Selection of Passive Infra Red (PIR), Ultrasonic (US) and Dual (DT) sensing technologies
- Indoor and outdoor options
- Aesthetically pleasing with extremely low profile and compact design
- Programmable via remote control and or trim-pots
- Ceiling and wall mount options
- Vacancy (Eco) and Occupancy (Auto) modes
- Walk through mode - switches light OFF three minutes after an area is initially occupied if no motion is detected after the first 30 seconds
- Audible alerts warn occupants of impending shut-off
- Daylight level regulation - holds lighting OFF when natural light rises above a pre-set level. This is adjustable and can be overridden

Vacancy/Occupancy mode selection

- Occupancy mode means that lights are automatically turned on or off according to occupancy
- Vacancy mode means that lights are manually turned on and automatically turned off. This mode offers the best energy-savings.

2-way communication between programming tool and sensor - upload and download data
<table>
<thead>
<tr>
<th>Cat No.</th>
<th>48803</th>
<th>48801</th>
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<td>Ceiling - indoors</td>
<td>Ceiling - indoors</td>
<td>Ceiling - indoors</td>
<td>Ceiling - indoors</td>
<td>Ceiling - indoors</td>
<td>Outdoors (IP55)</td>
<td>Corner (Indoor)</td>
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<td>Technology</td>
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<td>PIR</td>
<td>PIR</td>
<td>Dual</td>
<td>Ultrasonic</td>
<td>PIR</td>
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<td>Setting</td>
<td>Trim pot</td>
<td>Trim pot + config control</td>
<td>Config tool*</td>
<td>Config tool*</td>
<td>Config tool*</td>
<td>Config tool*</td>
<td>Trim pot</td>
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<td>Sensor</td>
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<td>120mm</td>
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<td>Technology</td>
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<td>Ceiling</td>
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<td>Ceiling</td>
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<td>Wall</td>
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<td>360°</td>
<td>270°/360°</td>
<td>270°</td>
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<td>Detection mode</td>
<td>Occ</td>
<td>Occ + Vac</td>
<td>Occ + Vac</td>
<td>Occ + Vac</td>
<td>Occ + Vac</td>
<td>Occ + Vac</td>
<td>Occ</td>
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<td>IP20</td>
<td>IP20</td>
<td>IP20</td>
<td>IP5x</td>
<td>IP42</td>
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<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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<td>Max surface of detection</td>
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<td>45m²</td>
<td>90m²</td>
<td>150m²</td>
<td>180m²</td>
<td>90m²</td>
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<td>50/60 Hz</td>
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<td>Energy consumption</td>
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</tr>
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<td>Factory default (lux)</td>
<td>500lux</td>
<td>500lux</td>
<td>500lux</td>
<td>500lux</td>
<td>500lux</td>
<td>300lux</td>
<td>500lux</td>
</tr>
<tr>
<td>Factory default (time delay)</td>
<td>15min</td>
<td>15min</td>
<td>15min</td>
<td>15min</td>
<td>15min</td>
<td>15min</td>
<td>15min</td>
</tr>
<tr>
<td>Cable connection</td>
<td>2 x 2.5mm</td>
<td>2 x 2.5mm</td>
<td>2 x 2.5mm</td>
<td>2 x 2.5mm</td>
<td>2 x 2.5mm</td>
<td>2 x 2.5mm</td>
<td>2 x 2.5mm</td>
</tr>
</tbody>
</table>

**Do ✓**

- Use ultrasonic sensors in areas screened by partitions or furniture
- Use PIR in enclosed spaces
- Create zones controlled by different sensors to manage lighting in large areas
- Use dual technology sensors for areas with very low activity levels
- Install sensors on vibration-free, stable surfaces
- Position sensors above or close to the main areas of activity in a space
- Integrate sensor use with other control methods (i.e., time scheduled control)
- Educate occupants about the new devices and what to expect

**Don’t ✗**

- Use ultrasonic sensors in spaces with heavy air flow/air conditioned
- Install ultrasonic sensors in spaces where the ceiling height exceeds 4m
- Use PIR sensors in spaces where there are fixtures or furniture that obstruct a clear line of sight
- Install sensors within 2 to 3 metres of HVAC outlets or heating blowers
- Control emergency or exit lighting with sensors
- Install PIR sensors in spaces where there are extremely low levels of occupant motion
Much more than a raised floor, Soluflex is an innovative new system from Legrand that integrates low-level flooring with Legrand’s cable management solutions.

Soluflex creates well organised, multifunctional rooms where users will always have enough connection points.

Soluflex is flexible during the design stage, so it’s no longer necessary to keep track of the connection points. The cabling can be installed anywhere under the entire floor, thus providing freedom to decide upon connection locations at any stage, even after an installation is complete.

**QUICK AND EASY INSTALLATION**

No glue, fixings, or experience required! Simply place supports on the floor and click the durable steel tiles into place. Once the floor has been laid, the required cabling and connections can be installed between the supports by removing the relevant tiles. The finished installation can be covered with carpet tiles, rubber, stone, or timber flooring – almost anything! And, if the office layout changes, or even relocates, Soluflex can be reconfigured and re-used.

**SAVE TIME. SAVE MONEY**

Soluflex offers considerable time-savings as floors and cables can be installed almost simultaneously. Adding or restructuring connection points can be done in a matter of minutes, without cutting or breaking cables.

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**Soluflex® cable floor system selection chart**

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>37</th>
<th>60</th>
<th>90</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tile</strong></td>
<td>84000 10</td>
<td>84000 10</td>
<td>84000 10</td>
<td>84000 10</td>
</tr>
<tr>
<td><strong>Support</strong></td>
<td>84037 00</td>
<td>84060 00</td>
<td>84090 00</td>
<td>84120 00</td>
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<tr>
<td><strong>Double edge plate</strong></td>
<td>84000 60</td>
<td>84000 60</td>
<td>84000 60</td>
<td>84000 60</td>
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<td><strong>Single edge plate</strong></td>
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<td>84000 61</td>
<td>84000 61</td>
<td>84000 61</td>
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<tr>
<td><strong>Step</strong></td>
<td>84037 22</td>
<td>84060 22</td>
<td>84090 22</td>
<td>84120 22</td>
</tr>
<tr>
<td><strong>Step corner</strong></td>
<td>84037 30</td>
<td>84060 30</td>
<td>84090 30</td>
<td>84120 30</td>
</tr>
<tr>
<td><strong>Ramp</strong></td>
<td>84037 40</td>
<td>84060 40</td>
<td>84090 40</td>
<td>84120 40</td>
</tr>
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<td><strong>Earthing tile</strong></td>
<td>84000 20</td>
<td>84000 20</td>
<td>84000 20</td>
<td>84000 20</td>
</tr>
<tr>
<td><strong>Cable outlet tile</strong></td>
<td>84000 30</td>
<td>84000 30</td>
<td>84000 30</td>
<td>84000 30</td>
</tr>
<tr>
<td><strong>Accessory outlet tile</strong></td>
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<td>84000 40</td>
<td>84000 40</td>
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</tr>
<tr>
<td><strong>Fixing bracket</strong></td>
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<td>84000 50</td>
<td>84000 50</td>
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<tr>
<td><strong>Fully submerged Ateor™ unit(empty)</strong></td>
<td>-</td>
<td>84060 72</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Floor box tile</strong></td>
<td>-</td>
<td>-</td>
<td>84090 85</td>
<td>84090 85</td>
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<tr>
<td><strong>Floor box tile</strong></td>
<td>-</td>
<td>-</td>
<td>8090 87</td>
<td>8090 87</td>
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<tr>
<td><strong>Cable snake black</strong></td>
<td>81906 41</td>
<td>81906 41</td>
<td>81906 41</td>
<td>81906 41</td>
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<tr>
<td><strong>Mini-column</strong></td>
<td>30729</td>
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<td>30729</td>
<td>30729</td>
</tr>
</tbody>
</table>

*Floor box tile - for boxes 89606, 89620, 89621
**Floor box tile - for boxes 89625, 89626
SUITS ‘NEW’ AND ‘REFURBISHMENT’ INSTALLATIONS

Choose from 4 systems for maximum flexibility:

Soluflex: 37mm
Ideal for refurbishments where floor to ceiling space is limited. Power can be accessed from specifically designed, flush mounting socket outlets, or by using cable snakes and power poles.

Soluflex: 60mm
In addition to the power and data solutions associated with the 37mm system, the 60mm system incorporates a twin socket outlet to allow electrical devices to be connected under the floor. Power, data, and telecoms can be configured to meet bespoke requirements. Pre-wired options are also available.

Soluflex: 90 and 120mm
These systems include enough room for bulk cabling and outlet units. Various floor boxes are available to include any combination of Arteor power, data, AV and even RCD protection. Built-in tiles are available to accept floor boxes.

SUSTAINABLE DEVELOPMENT
All tiles are made from pre-galvanised steel and the supports are made from recycled polypropylene; steel is the most sustainable material used in construction today. The result is a system that is 100% recyclable and that can be reconfigured again and again to meet changing requirements.
**AXIOM**

**Power Pack**

- Self contained electronic inverter
- High Temperature NiCad batteries
- Suitable for T5 49W linear fluorescent technology lamps
- Designed to convert standard luminaires into Axiom Emergency Lighting fitting
- Supplied with battery pack, antenna and cables to suit
- Suitable for luminaries with internal temperature up to 50°C

![AXIOM Power Pack Image](image1)

**EZ-PATH**

**The firestop solution from Cablofil**

- Wall-through penetration device
- Assessed against AS 4072.1:2005 and AS 1530.4:2005
- Suitable for new and retrofit installations
- 3 sizes available
- Can be ganged for future expansions or segregation of cables
- Safe: Ez-Path offer maximum resistance to fire whether it is empty or full
- Flexible: automatically adjusts to the number of cables installed. Cables can be added or changed without the need to remove and to re-install fire-stopping material
- Maintains pressure difference across wall cavities and limits dispersion of gases
- Protected from corrosion from cleaning fluids and other corrosive elements

![EZ-PATH Image](image2)
Load Centres...
NEW range from 12 to 48 modules

Surface mounting

- Unique IP2X terminal blocks – mounted horizontally
- Fast installation – quick motion screws
- Spacious – plenty of room for cabling
- IP40-IK07 with door
- IP30-IK05 without door
- Chassis can be clipped, removed and tipped back to facilitate cabling
- Equipped with reversible door
- Option of keylock (01491)

HL12S, HL24S, HL36S, HL48S

Flush mounting

- Unique IP2X terminal blocks – can be mounted horizontally or vertically (in units from 24 modules)
- Can be linked vertically or horizontally
- Fast installation – cardboard template provided
- Spacious – plenty of room for cabling
- Complete set of accessories available for Gyprock and Brick-wall installations
- IP40-IK07 with door
- IP30-IK05 without door
- Equipped with reversible door
- Option of keylock (01491)
- HL12FS, HL24FS with steel backing plate

HL12F, HL24F, HL36F, HL48F, HL12FS, HL24FS
Working with OnQ, a world leader in home networking and part of the Legrand group, HPM is releasing a revitalised range of home networking systems in 2010 including: Audio, Video, Telephone, and IR systems. The first installment of new products is due in April, which includes many competitive entry level products.

Capitalise on the increase in demand for home networking attributed to the development of the optical fibre rollout plan - start including Home Networking in all new homes now!

For more information about how the systems are configured and installed visit www.hpm.com.au to download the HPM Home Networks Brochure and HPM Home Networks Installation Guide (available April).
Kits

Designed to simplify ordering, HPM has 2 kits on offer: Standard (HNMKSTD14) and Advanced (HNMKADV28).

There is extra room available in the enclosures from both kits to accommodate additional equipment for other applications.

### Advanced - HNMKADV28

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<thead>
<tr>
<th>No.</th>
<th>Part No.</th>
<th>Description</th>
<th>QTY</th>
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<tbody>
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<td>HNEN2850</td>
<td>Enclosure hinged door 28IN</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>HNTM1478</td>
<td>Telephone mod 4x12</td>
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<tr>
<td>3</td>
<td>HNVM1000</td>
<td>Video splitter/combiner 1x4</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>HNVM1002</td>
<td>Video splitter/combiner 1x8</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>HNJ36597-01</td>
<td>Co-ax patch leads 12IN</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>HNVA01</td>
<td>Video amplifier</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>HNAC1015</td>
<td>Patch panel cat6 12 port</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>HNPL6300</td>
<td>Cat 6 patch lead 300mm</td>
<td>12</td>
</tr>
<tr>
<td>9</td>
<td>HNP5005</td>
<td>Power supply 500MA</td>
<td>1</td>
</tr>
</tbody>
</table>

### Standard - HNMKSTD14

<table>
<thead>
<tr>
<th>No.</th>
<th>Part No.</th>
<th>Description</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HNEN1450</td>
<td>Enclosure hinged door 14IN</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>HNTM1478</td>
<td>Telephone mod 4x12</td>
<td>1</td>
</tr>
<tr>
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<td>HNVM1000</td>
<td>Video splitter/combiner 1x4</td>
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<tr>
<td>4</td>
<td>HNAC1000</td>
<td>Patch panel cat5e 6 port</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>HNPPL5E200</td>
<td>Cat 5e patch lead 200mm</td>
<td>6</td>
</tr>
</tbody>
</table>

Enclosures

- 4 sizes: 362x356mm, 362x508mm, 362x711mm, 362x1067mm
- Locking and hinged doors
- Suitable for surface and flush mounting
- Larger top openings make pulling wires easier
- Additional knockouts, side lance and side tabs for easier mounting
- Flush mounting frames to cover uneven wall cutting available separately (HNFR1450, HNFR2050, HNFR2850, HNFR4250)
- Power outlet mounting provision
Data Hub
This hub provides high performance access to fast Ethernet for computer devices that are networked throughout the house.

- 5x 10/100Mbps RJ45 ports
- DC power supply included
- Store-and-forward switching
- Full and half-duplex mode
- Auto-negotiation on each port
- Auto-polarity detection

Patch Leads
Used in the HPM Home Networks Enclosures, this collection of short, data patch leads are most useful in patching equipment modules to patch panels for easy assigning of cable links to various applications - Telephone, Data, Audio Control and IR Distribution systems.

<table>
<thead>
<tr>
<th>CAT</th>
<th>HNPL5E300</th>
<th>HNPL5E200</th>
<th>HNPL6300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>5e</td>
<td>5e</td>
<td>6</td>
</tr>
<tr>
<td>Length of cable</td>
<td>300mm</td>
<td>200mm</td>
<td>300mm</td>
</tr>
</tbody>
</table>

Patch Panels
These patch panels provide an interface between the Network Enclosure and RJ45 wall outlets throughout a building. Mounted in the Network Enclosure, the patch panels provide either 6 or 12 port connections to the wall RJ45 outlets for application modules which also reside within the Network Enclosure.

Re-configurations of existing systems and re-assignment of cable links to other systems can be achieved easily by re-patching the application modules to patch panels.

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<thead>
<tr>
<th>CAT</th>
<th>HNAC1000</th>
<th>HNAC1014</th>
<th>HNAC1015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Descriptions</td>
<td>Patch Panel Cat5e, 6 port</td>
<td>Patch Panel Cat5e, 12 port</td>
<td>Patch Panel Cat6, 12 port</td>
</tr>
<tr>
<td>Category</td>
<td>5e</td>
<td>5e</td>
<td>6</td>
</tr>
<tr>
<td>No. of ports</td>
<td>6</td>
<td>12</td>
<td>12</td>
</tr>
</tbody>
</table>

Telephone Distribution Modules
These modules are expansion and distribution modules that provide quality telephone signals throughout a building. The modules support up to 4 incoming lines and distribute them to up to 12 locations.

- All connectors 8 pin 8 conductor (RJ45)
- All ports meet TIA 568A Category 3
- 50 microns gold plated contact points
- Line 1 is available at 12 locations (HNTM1478) or 8 locations (HNTM1475)
- Accept 4 incoming telephone lines
- RJ-31x line seizure for security system

Patch Panels
This hub provides high performance access to fast Ethernet for computer devices that are networked throughout the house.

A second hub can be connected via an uplink cable to expand the number of ports.

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</table>
**Video Modulators**

These modulators allow conversion and distribution of high quality audio and video signals around the home on a wide choice of channels on the UHF band. Composite AV signals are accepted through RCA input jacks as input and the output is a modulated signal on a user selected RF frequency through an F connector.

**Single Channel Modulator**
- 1x composite input
- 1x Coaxial UHF output
- User frequency select via Dip switch
- Built-in combiner (eg. TV antenna)
- Gain adjustment
- Power plug and lead

**3 Channel Modulator**
- 3x composite inputs
- 1x F type UHF output
- LED channel display
- Power and MODE SELECT LED indicators
- Easy set-up with MODE SELECT and up/down push buttons
- Gain adjustment
- Power adapter included
- Comes with 3 sets of audio and video cables

---

**Video Combiners and Splitters**

These video combiners and splitters are used to route TV and video signals to up to 8 locations throughout a building. Each can be set up as a combiner or splitter.

- F type connectors
- One to four combiner/splitter (HNVM1000)
- One to eight combiner/splitter (HNVM1002)
- 1GHz rated
- Digital TV ready

The 12” Coax Patch Lead (CAT HN364597-01) is a high performance 75 Ohm coax cable. Its flexibility helps reduce the space needed for coax cable management.

---

**Video Amplifier**

This is a variable gain amplifier that amplifies video signals before distributing them throughout the home network system.

- Coaxial input, coaxial output
- Gain adjustments for UHF and VHF
- 12V d.c. power required
- Digital TV ready
- Mounting bracket provided
**Audio Distribution Module**

The hub of the Audio Distribution System, the amplifier in the module can take signals from up to 4 sources and supply high quality sound directly to stereo speakers in each output location.

- 4 stereo input channels with left and right level adjustment
- 4 stereo output channels, max 10W + 10W
- Transmits source equipment IR signals (IR emitter required – not included)
- Drives broadcast intercom function
- Power LED indicator

Accessories included: power cable adaptor – 4 pin 3.96mm socket to 2.5mm OD jack

**1 to 4 Audio Splitter Module**

This splitter module multiplies 4 input stereo signals and outputs the same signals to drive up to 4 Audio Distribution Modules (HNAM02) – effectively turning the audio system into 4 input – 16 zone system.

- 4 stereo input channels
- 4 sets of four stereo outputs
- Removable screw terminal block for easy installation

Accessories supplied: 16 x stereo audio cable with RCA plugs at one end and tinned wires at the other end.
Power Supplies

These power supplies bring fully-regulated, high quality and low EMC DC power into the network enclosures.

<table>
<thead>
<tr>
<th>CAT</th>
<th>HNPS005</th>
<th>HNPS030</th>
</tr>
</thead>
<tbody>
<tr>
<td>Descriptions</td>
<td>Power Supply 500mA 12V d.c.</td>
<td>Power Supply 3A 12V d.c.</td>
</tr>
<tr>
<td>Output voltage</td>
<td>12V d.c.</td>
<td>12V d.c.</td>
</tr>
<tr>
<td>Max output power</td>
<td>6W</td>
<td>36W</td>
</tr>
</tbody>
</table>

* 8A power supply (SWPS080) is still available

IR Distribution Module

This IR (Infra-red) distribution module routes IR signals to allow remote control of devices (such as CD/DVD players, PayTV and Digital TV set-top-box) from any room in the house.

The module receives IR signals utilising IR Receivers (CAT HNIRR02), from up to 8 rooms, and transmits all the received signals to up to 8 IR Emitters (CAT HNIRE22), via the Cat5e network. The emitters in turn emit the signals to the intended AV equipment.

- Reads IR signals of most common AV equipment
- 8 receiver terminals and 8 emitter terminals
- Sensitivity adjustment

IR Receiver & Emitter

The IR Receiver is usually plugged into a wall RJ45 socket in a room where there is no direct line-of-sight from the source equipment.

- Carrier frequency adjustable from 32KHz to 56KHz
- Compatible with most common electronic devices including PayTV set-top-boxes
- Comes in compact enclosure with IR window

IR Receiver

- Includes RJ45 jack
- Small head area to target source equipment IR window

DC Power Splitter

DC Supply Module

- Convenietly supplies up to six modules from one power source
- 100W rated output
- 1 x 4 pin 5.08mm pitch output connector
- 3 x 2.5mm OD jack outputs
- 2 x 2.0mm OD jack outputs
- Overload protection
- Accessories supplied: 1 x 1.2m DC power cord with 4-pin 5.08mm pitch and 3.96mm pitch female connector (For SWAM02), 3 x 1.2m DC power cords with 2.5mm OD jacks

2 Way DC Power Split Lead

- Ideal when only two modules require power
- 5A rated
- 1x 2.5mm jack to 2x 2.5mm sockets
### Energy-saver Downlight

- An economical alternative to inefficient halogen downlights
- Designed for high efficacy T2 spirals ES base (11W and 15W)
- Includes lamp
- Material: powder coated pressed metal, faceted aluminium reflector
- Lamp included
- Rated average life: 8,000 hours
- Small appearance and will retro-fit in most low voltage down ceiling holes (Dimensions: 134mmH x 101mmW, cut-out = 86mm)

![MALC17WH](MALC17WH)

### T5 Slim Saver

- T5 technology and energy-saving at a T8 price
- The first tool-less ballast and lamp batten that can help to reduce labour maintenance costs
- Ideal for commercial, residential, and industrial applications
- Uses up to 35% less energy when compared with a standard 36W T8 electromagnetic ballast type fluorescent fixture
- Sleek and ultra slim design T5 bare batten with 28W T5 cool white tube
- Flicker free start
- High power factor

![M5F128US](M5F128US)

### Downlight Covers

- Helps to minimise the amount of dust build-up on the lamp on low voltage downlights
- Suitable for Nelson 317 (fixed) and 515 (gimble twist lock) low voltage downlights and most other similar fixtures
- Ventilation reduces the heat build-up around the lamp
- Non-flammable construction
- Material: pressed aluminium, natural finish, vented aluminium cover

![MALC317DCOV](MALC317DCOV) ![MALCS515DCOV](MALCS515DCOV)

### 28W T5 Fluorescent Convertor with 129° Built-in Aluminium Reflector

- Converts T8 (normal Fluoro) to T5 (energy-saving “slimline” fluoro)
- Up to 22% brighter when compared to T8 bare batten (when measuring lux below the centre of the fitting)
- Uses up to 39% less energy when used with a LPF ballast and up to 35% less energy when used with HPF ballast
- Easy D.I.Y installation
- Highly reflective surface
- Uses less power than a T8 fixture and is more economical than replacing the fixture
- Fits most T8 36W batten fittings
- Lamp included

![MT82T51X28R4K](MT82T51X28R4K)
**Par38 20W Energy-saving Lamp**

- Replaces standard PAR38 lamps in most applications
- IP44 weather resistant (to be installed in sheltered position)
- Uses up to 80% less energy
- Rated average life: 8,000 hours
- Available in cool white, ES base
- Material: thermoplastic and glass cover, reflective finish

**Low Energy Conversion Kit**

- Converts existing low voltage halogen MR16 downlights (with floating lampholder) to bright energy-saving downlights
- 15W lamp has equal brightness when compared to a standard 50W GU10 halogen lamps - 280 lumens. 20W lamp is 20% brighter when compared to a standard 60W GU10 halogen lamp - 280 lumens
- The energy-saving lamp in conjunction with a Nelson driver offers maximum light output for your standard MR16/GU10 fixtures with a floating lampholder
- Because the driver is separate to the lamp, a larger more powerful light source can be fitted into the fixture
- Rated average life: 8,000 hours
- Material: ABS plastic lamp driver housing, aluminium lamp reflector, glass front

**Low Energy Downlight Kit with Flex and Plug**

- The first true energy-saving alternative for 240V low voltage halogen downlight kits
- 15W lamp has equal brightness when compared to a standard 50W GU10 halogen lamp - 280 lumens. 20W lamp is 20% brighter when compared to a standard 60W GU10 halogen lamp - 280 lumens
- Low cost lamp replacement
- All kits come complete with GU24 lamp – 15 or 20W
- Material: cast alloy painted white and brush chrome, ABS plastic lamp driver housing, aluminium lamp reflector, glass front

**GU24 Low Energy Lamps – 15W, 20W**

- Replacement lamps for low energy downlight kits 15W lamp has equal brightness when compared to a standard 50W GU10 halogen lamp - 280 lumens. 20W lamp is 20% brighter when compared to a standard 60W GU10 halogen lamp - 280 lumens
- These energy-saving lamps in conjunction with Nelson drivers offer maximum light output for standard MR16/GU10 fixtures with a floating lampholder
- Available in cool white, warm white and natural
- Rated average life: 8,000 hours
- Material: ABS plastic lamp driver housing, aluminium lamp reflector, glass front
Polyx Video Display

- Handsfree communication device for access control - internal panel
- 3.5” colour video display
- Improved ergonomics
- Symbols enhance ease of use
- Door strike control
- Cycle all cameras in system

Badge Programmer

- Module for programming badges for access control
- Suitable for programming Axolute Entrance Panel badges

Access Control Badges

- Allow easy access to selected areas without the need for codes or keys
- 7 different colours available: black, red, green, blue, orange, grey, yellow
- Keyring size
- Use with BTicino Axolute Door Entry System, or 2 module BTicino Badge Readers

348200 348201 348202 348203 348204 348205 348206
Audio Speaker Module – 4 call buttons

- Door entry speaker module
- Up to 4 inbuilt call buttons
- Includes staircase light button for extra light
- Works with double-sided call modules – eg.

Supplementary Door Entry Relay

- Door entry relay to assist with door strikes
- Receives the signal from the internal handset via the entrance panel
- Use with BTicino Entrance Panels: Linea 2000, Linea 2000 Metal, Sfera door entry combination module 342560

Audio Speaker Module Coverplates

- Coverplates for BTicino Audio Speaker Module (342350)
- Colours available: ‘All metal’
Did you know?

Whilst you’re online, check out the NEW Linea website too - www.lineacolours.com.au
Encourage your customers to visit as it will help them select the fittings for their home or project. ‘Where to buy’ and ‘Request a sample’ information feature as well.

Have you seen the HPM Linea iPhone App?

Download HPM musicMash for free from iTunes now!
Mix your own cranking tunes - Rock, Blues, Dance, Beat Box and Tribal - and jam with friends. You can even save your musicMash as your ringtone!!
Not familiar with iTunes? Check out the computer version at www.lineacolours.com.au

NEW brochures available:
- HPM Excel ‘Evo’
- HPM Linea
- Legrand Arteor™
- Legrand Soluflex
- Nelson Catalogue Supplement

Visit our websites listed on the bottom of this page.

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