

The all-in-one residential network

## Delta 8

*Access to TV, radio, phone and data in every room*



## A Delta 8 home



...is a home without visible trailing cables, or leads between different rooms enabling access to required services, even after the room usage or layout has changed. Better still, in a Delta 8 home occupants are not restricted to accessing required services in specific rooms only.

Why? Because in a home equipped with Delta 8 there is permanent access to phone, data and TV in every room, from any outlet.

This brings great flexibility to both developers and end users alike.

For the developer it provides a cost effective and easily installed solution that offers a real value added opportunity, giving their properties affordable standout and a real competitive edge with broad consumer appeal.

For the consumer the benefits are immediate. From the moment they move in they can simply access all of their services from any outlet, in the knowledge that they have a future proofed system in place to deliver real flexibility in how they use their space.



## This is how it works



Delta 8 is an all-in-one VDI solution – delivering Voice, Data and Image signals via one single cable, to every outlet in the home.



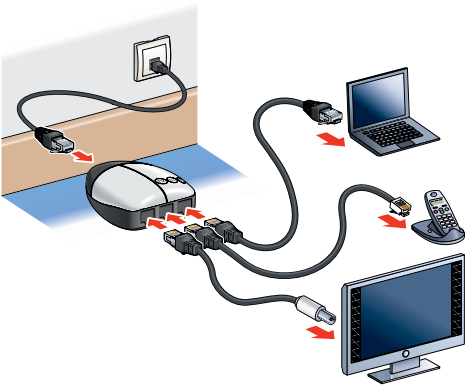
### **The ease of a “Plug-and Play” solution**

Once the core unit has been connected to the incoming phone, TV and data cables – all those signals are permanently transmitted to all outlets, in all rooms. Simply connect radios, TV sets, phones, fax machines and computers – using the correct lead. Alternatively use all 3 services simultaneously in one location using the newly released Triple Play Splitter.

### **The functional and discreet design**

Thanks to its small size and good-looking design, the core unit will easily blend in with the home. A range of mounting options include housing within a DIN rail enclosure or with the use of supplied side clips wall or shelf mounting.

## The core unit



This is where the incoming phone, TV and data cables are connected. The VDI signals are then permanently transmitted to all telecommunications outlets in all rooms, through one single cable. The core unit also acts as an amplifier for radio and television signals. All VDI signals are distributed via a single link, using RJ45 connector systems and the Delta 8 twisted-pair cable.

Since every core unit has 8 links, and the cable carries 3 services, the system (with just one box) is equivalent in functionalities to 24 phone, TV and data outlets. Using the newly released triple play splitter allows all 3 services to be used simultaneously. As a portable device this can be moved between rooms as required, providing a very flexible solution.

### Easy to install and set up

Insulation displacement contacts (IDCs) with easy, fast connection using the universal connector tool. Switches for selecting which of the two phone lines to route to each link. The system is easy to adjust with the test kit; simply check the amplification level and the overall signal level.



### Scalability – easy to upgrade and expand

Delta 8 has open interfaces to existing and future applications. It supports wireless, voice over IP, digital video, etc. For another eight outlets, simply add one more Delta 8 box and get 8-16-24-32 outlets.



## Frequently asked questions



### How many telephones lines can I have with the Delta 8?

Two. On the core unit, you select a switch to select which line a certain outlet should use. To select the other line, push the switch back.

Note: A maximum of 4 telephones should be connected on each line to ensure compliance with BT requirements (REN = 4)

### What happens when I need more outlets?

Simply add a second core unit, providing an additional 8 outlets. Incoming telephone line 1 can be daisy chained to the second unit using the stacking cord.

### Isn't Delta 8 expensive to install?

On the contrary. It is easy to install, and therefore inexpensive. Tool free connector at the outlet and Insulation Displacement Contact (IDCs) at the core unit; make a fast and easy cable termination. With the test kit, it is also easy to adjust; simply check the amplification level and the overall signal level.

## The Delta 8 components

The box package includes power supply (12V) and connection cords for the phone line inputs



RJ45 jack. Fast termination and fully shielded



Shielded installation cable



R/TV connection cord



Phone connection cord



Data connection cord



Stacking cord



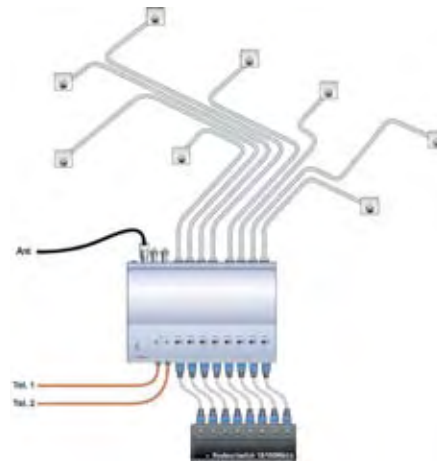
Tool kit with assorted installation tools



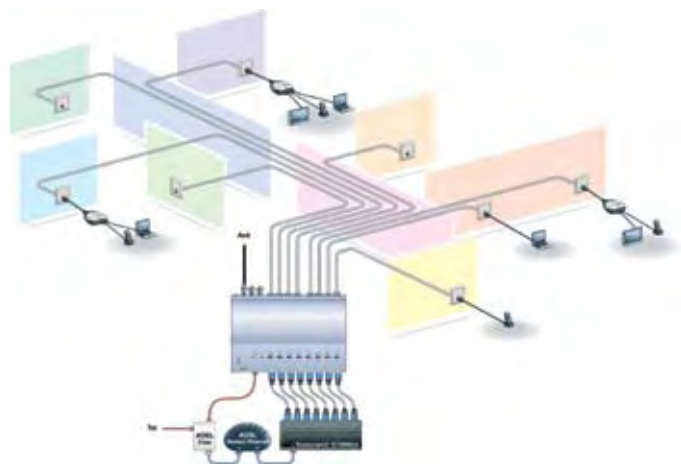
Test kit. A complete system for testing and verification of the installation



## Configuration examples



- TV antenna connection
- 1 or 2 phone lines
- data switch (not supplied)



- ADSL Filter (not supplied)
- ADSL modem/router (not supplied)
- data switch (not supplied)

# Delta 8 product selector

Part No	Material description	Qty/Pack
<b>Core unit</b>		
VDI533020	<b>Delta 8, active central processing unit</b> Distribution of Voice, Data & Image signals - 2 RJ11 telephone lines - 8 data ports RJ45 STP - gain forward -5/ +15dB - tilt (equaliser): +/- 6db - input voltage 12 Vdc - dimension: 300 x 250 x 90 mm - weight: 500 g	1
<b>Cable</b>		
	<b>Delta 8 installation cable, S/STP, 4 pairs</b> 4 pair wide band cable for Delta 8 installations	
VDI527005	120m	1
VDI527004	300m	1
	- 4 twisted pairs individually shielded S/STP - white outer jacket (RAL 9010), LSFROH - international colour coding - impedance: 100 $\Omega$ - offered in 120 m box and 300 m drum packing	
<b>Dedicated cords</b>		
<b>TV cord</b>		
VDI546031	<b>Delta 8, TV / R cord</b> connection cord between the wall outlet and the TV or Radio equipment	1
	- mixed cord TV/R IEC (male) / RJ45 with superior shielding construction - flame retardant PVC black cable - balun in the RJ45 plug - female IEC adapter included for Radio - provided in 3 meters length	
<b>Telephone</b>		
LXHLAPBX	<b>Master line adaptor unit</b> Interface to allow connection to standard UK telephones (RJ45 to PSTN)	1
<b>Data</b>		
VDI546035	<b>Delta 8, Data cord, 0.5m</b>	1
VDI546036	<b>Delta 8, Data cord, 1m</b>	1
VDI546037	<b>Delta 8, Data cord, 2m</b>	1
VDI546038	<b>Delta 8, Data cord, 3m</b>	1
VDI546039	<b>Delta 8, Data cord, 5m</b>	1
	connection and patch cord for data application - RJ45 to RJ45 screened cord - PVC grey cable - category 5 - overmoulded RJ45 plug - 2 pairs straight wiring - offered in five lengths 0.5, 1, 2, 3, and 5m	
LXHSPATCH	<b>Delta 8, Input cord, 0.5m</b> connection cord between the wall outlet and the triple play splitter - RJ45 to RJ45 screened cord - PVC grey cable - overmoulded RJ45 plug	1



VDI533020



VDI527004



VDI546031



LXHLAPBX



VDI546035

# Delta 8 product selector

Part No	Material description	Qty/Pack
<b>Connector</b>		
VDI552012	<b>Delta 8, STP connector</b> RJ45 jack for Delta 8 terminal outlets - screened wide band connector STP - tool less - international colour coding	1
<b>Outlet plate</b>		
GU8450**	<b>Euro plates</b> 1 Gang screwless euro plate <b>SS</b> - Stainless steel <b>PW</b> - White metal <b>PN</b> - Pearl nickel <b>PB</b> - Polished brass <b>PC</b> - Polished chrome <b>BN</b> - Black nickel <b>BZ</b> - Bronze - to order  <b>Note</b> - Replace ** with suffix code to denote plate finish required Matching wiring accessories available through GET	1
GEURO1	1 Gang exclusive euro plate white	1
GUE7091*	<b>Euro modules</b> Data8/LexCom outlet module <b>Note</b> - Replace * with suffix code to denote module colour required <b>W</b> - White <b>B</b> - Black	1
SQLXH1	<b>1 Gang outlet plate</b>	1
SQLXH2	<b>2 Gang outlet plate</b>	1
LXHSFRAME	Modular housing to hold RJ45 in plate (White)	50
LXHSFRAMEBL	Modular housing to hold RJ45 in plate (Black)	50
<b>Splitter</b>		
VDI518112	<b>Triple play splitter</b> Enables all 3 services to be used simultaneously from one outlet - 1 in RJ45 3 out RJ45 (supplied with input cord and TV cord)	1
VDI518109	<b>Triple play splitter (unit only)</b> - associated cords still required	1
<b>Accessories</b>		
VDI546033	<b>Delta 8, Stacking cord (Transfers Line 1 Telephone Services Only to second unit)</b> Stacking cord to daisy chain two Delta 8 units - mixed cord RJ11 / RJ45 unscreened - PVC black cable - overmoulded RJ45 plug - provided in 1 meter length	1
VDI561014	<b>Delta 8, Tool kit</b> The tool kit provides a small range of tools especially adapted It includes:- - 1 cable jacket stripper - 1 LSA punch down tool - 1 straight screw driver for gain adjust - 1 cross screw driver for overall mounting - 1 wrench key for F-conn	1
<b>Tests</b>		
VDI560020	<b>Delta 8, Test kit</b> A test system to verify the installation work and to enable correct configuration of the installation - allows the 8 links to be tested - tests the wire map (continuity and shorts) - tests cable link length adjustments for TV output level - powered by Delta 8 core unit	1



VDI552012



GU8450SS



GUE7091B



SQLXH2



VDI518109



VDI546033



VDI561014



VDI560020



Nationwide support on one number -  
call the Customer Information Centre on

**0870 608 8 608**

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### Schneider Electric's local support

Schneider Electric is committed to supporting its customers at every stage of a project. Our 180 sales engineers, the largest dedicated sales force in the UK electrical industry, operate from 4 customer support centres.

Our sales engineers are skilled at assessing individual requirements and combined with the expert support of our product specialists, will develop the most effective and economical answer taking relevant regulations and standards fully into account.

To access the expertise of the Schneider Electric group, please call 0870 608 8 608. Each customer support centre includes facilities for demonstrations and training, and presentation rooms fully equipped with audio visual and video, providing excellent meeting facilities.

#### Merlin Gerin

**Merlin Gerin** is a world leader in the manufacture and supply of high, medium and low voltage products for the distribution, protection, control and management of electrical systems and is focused on the needs of both the commercial and industrial sectors. The newly launched VDI Network Solutions offer provides flexible, configurable ethernet systems for all communication needs.

#### Square D

**Square D** is a total quality organisation and its business is to put electricity to work productively and effectively, protecting people, buildings and equipment. Its low voltage electrical distribution equipment, systems and services are used extensively in residential and commercial applications.

#### Telemecanique

**Telemecanique** is a UK market leader and world expert in automation and control. It provides complete solutions, with its range of components, Modicon range of high technology programmable controllers (PLCs), multiple fieldbus and ethernet communication networks, HMI, motion control systems, variable speed drives and communications software. In addition, it offers power distribution through prefabricated busbar trunking.

### Local customer support centres

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### Product showrooms

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#### Energy and Infrastructure systems and solutions showroom

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