

# Infrastructure installation manual

Getting ready for  
Fibre to the home (FTTH)



# Contents

- Who is Century City Connect? ..... 3
- Ensure your property is Fibre-ready ..... 3
- Home-owner infrastructure requirements ..... 3
- In-home conduit installation requirements ..... 4
- Placement of the Hager Surface Mounted Wall Box ..... 5
- Need conduit design help? ..... 5
- Hager Surface Mounted Wall Box ..... 5
- Wall Box specifications ..... 5
- Congratulations ..... 6



# Who is Century City Connect?

*Employing cutting edge, innovative technology, Century City Connect provides **world-class, open-access Fibre-optic connectivity** propelling Clara Anna Fontein (CAF) into the First World Digital Age.*

*Century City Connect operates a **carrier neutral** 'last mile' open-access network over which a select number of Internet Service Providers (ISPs) offer those living within CAF revolutionary **voice, broadband and multimedia services.***

*Because the Fibre-optic backbone is carrier neutral, clients are able to choose which of the accredited ISPs' packages best suit them in terms of voice, broadband and multimedia services, as well as costs.*



## Ensure your property is Fibre-ready

As per the CAF rules and regulations owners are required to install certain infrastructure to prepare their property for Fibre.

This is required even if you will not be making use of Fibre for Internet, telephone or DStv purposes. The Fibre infrastructure has already been installed at every property and will terminate (splice) in a boundary box outside your property. One boundary box services two adjacent properties. The boundary box will be located at the edge of your property and is easily identifiable.

The estate manager will point out the box allocated to your property before you start construction of your home.



## Home-owner infrastructure requirements

Owners are required to install a minimum 32 mm PVC conduit (draw wire to be included) from the CAF Fibre-to-the-Home (FTTH) boundary box to their garage where it must terminate into a surface-mounted wall box with a wooden backboard. Please note that only slow bends are to be used. You are required to allow for 2 x 16A switched power sockets (4 x 4) no more than 100 mm away from and in line with the bottom of the wall box. This can be installed on the left or right side of the wall box.



## In-home conduit installation requirements

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Please note that you will need to allow for at least 1 x 25 mm conduit for each of the following services to be installed from your home to the Fibre wall box in your garage.

- Internet / Data (1 x 25 mm conduit from source to wall box)
- Telephone (1 x 25 mm conduit from source to wall box)
- DSTV (1 x 25 mm conduit from source to wall box)

Please note that owners are responsible for their own internal cable distribution for DSTV, data and telephone from the Fibre Wall Box to the various points in their home.

Each home will be different so it is important that you plan this carefully and make provision for additional conduits and cables to the areas that you want covered.

**NOTE:** We strongly recommend that you employ the help of a specialist to assist with the design and implementation of the internal cable distribution.



## DSTV

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We recommend that you install a minimum of 2 x RG6 cables from the Fibre wall box in the garage to your main DSTV distribution point in your home. From there additional cabling might be required depending on your requirements and design.



## Telephone

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We recommend a minimum of 1 x CAT5e cable from the Fibre wall box in the garage to your main in-home telephone distribution point. From there, additional cabling might be required – all depending on your requirements and design.





## Data / Internet

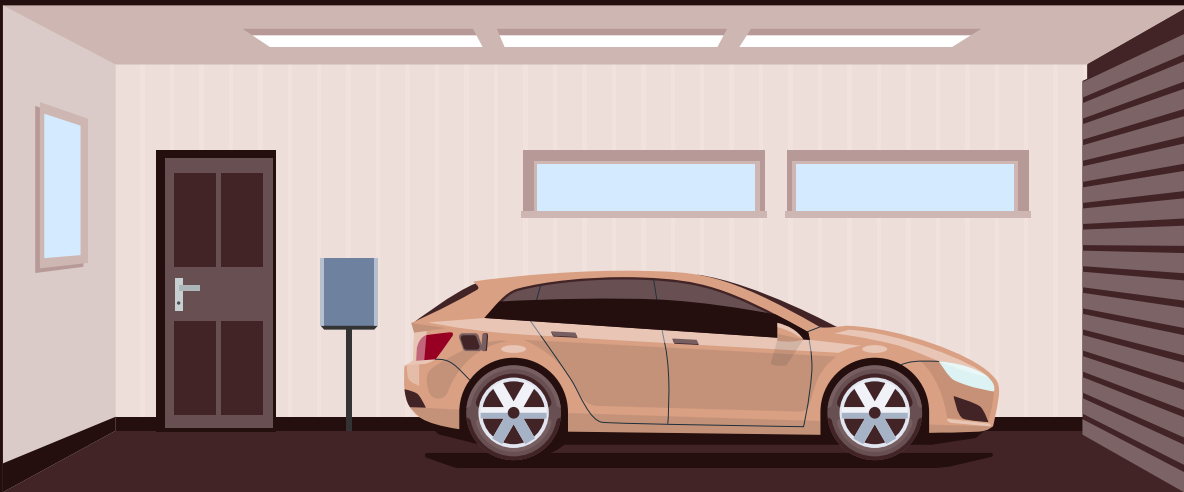
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We recommend a minimum of 1 x CAT5e cable from the Fibre wall box in the garage to your main in-home Internet distribution point and Internet router, which the ISP will supply you with. From there, additional cabling might be required – all depending on your requirements and design.



## Placement of the Hager Surface Mounted Wall Box

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## Need Conduit Design Help?

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Should you require additional expert in-home distribution designs, please contact the below mentioned company:

Quantus Technology Management

[caf@quantustm.co.za](mailto:caf@quantustm.co.za)

021 880 6660

They have made their services available at a cost of R1 500 (excl. VAT) and will ensure that all installed services will be able to communicate with the Fibre node.



Their fee includes the following:

- 1 x Consultation with client's civil and electrical engineers for in-house telecommunication conduit requirements:
  - Review of drawings and conduit routes
  - Recommendations and best practices
  - Wi-Fi conduit design for best coverage
- 1 x Follow-up meeting:
  - Sign-off of final drawing



## Hager Surface Mounted Wall Box

(Circuit breaker trays removed)

Owners have the option to buy complete wall boxes with mounted backboard, ready for installation from the following supplier at R995, excl. VAT:

Goodhope Electrical | [goodhopeelectrical@myconnection.co.za](mailto:goodhopeelectrical@myconnection.co.za) | 078 188 4027

### Hager VS318TJ

(Example - before installation)



### Hager VS318TJ

(Example - after installation)\*



19 mm wood backboard (Pine), 385 mm x 495 mm

\* Contents of box not included, picture is for illustration purposes only.

[www.centurycityconnect.com](http://www.centurycityconnect.com)



## Wall Box specifications

Protection Index IP	IP40
Protection Class	isol.class II
Fixing Mode	Surface-mounting
Number of Rows on Distribution Board	3
Number of Modules	54
Width of Installed Product	389,5 mm
Height of Installed Product	501,5 mm
Depth of Installed Product	98,5 mm
Enclosure Material	Plastic
Colour	TRAL 9010
European Directive RoHs	Voluntary Compliance



Century City  
**CONNECT**



# Congratulations!

Now that your Fibre infrastructure has been correctly installed, your home is ready for the in-home Fibre installation.

Please refer to the In-home installation manual for more info.

[www.centurycityconnect.com](http://www.centurycityconnect.com)



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