BASIC AMPLIFIERS

Product Portfolio

Brochure Rev. 1.0/04.2023

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What would your day be like without Teleste?
And what is it like with Teleste? Take a look!

WELCOME
INTRODUCING TELESTE

Teleste offers an integrated product and service portfolio that makes it possible to build and run a better networked society. Our home and house connection amplifiers are part of our wide portfolio of products which bring television and broadband services to your home, secure your safety in public places and guide your use of public transport.

Steady and consistent

With solid industry experience and drive for innovations, we are a leading international company in broadband actives and passives, security and information technologies and related services. We connect with our customers through a global network of offices and partners.

The home and house connections portfolio

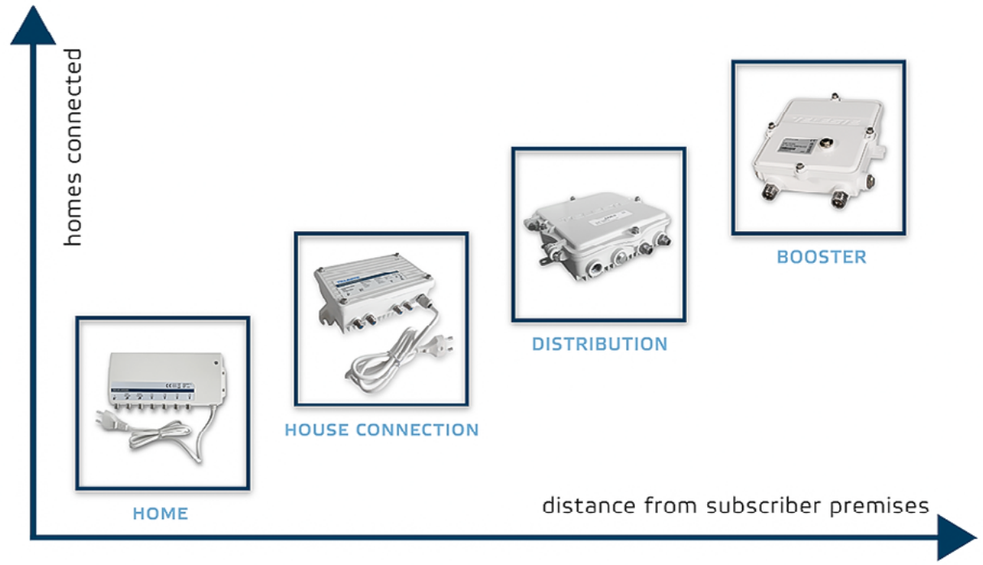
Is a carefully selected, ever-increasing, high-quality portfolio of amplifiers. It comprises of a selection of a vast range of products that we traditionally supply to customers.

In this brochure we present our Home amplifiers designed for signal distribution within a home and our House Connection amplifiers, designed for larger premise signal distribution.

We can support you wherever you are

Teleste maintains an R&D and main distribution centre in Belgium. Thereby we are able to design products and serve with overnight, just-in-time deliveries to all corners of Europe. Furthermore we constantly try to improve our Logistic Eco-Efficiency methods, such as e.g. 'carpooling' to achieve optimal transportation capacity, which reduces both CO_2 emissions and cost.

We have been around for more than 65 years and will continue to bring about a SMART, SAFE and SMOOTH future.



Teleste designs and delivers amplifiers for all parts of RF broadband networks.

HOME AMPLIFIERS

COMPACT, ENERGY SAVING AND OFTEN TAILOR-MADE

Teleste's range of Home Amplifiers are designed to provide high-quality signal transmission without the need for alignments done by the subscriber. They are compact and often tailor-made according to customer's exacting specifications.

> **Don't worry!**
> **Our Home Amplifiers do not require alignment or other actions besides powering on**

Tailor-made designs

Teleste specialises in the design and manufacture of RF broadband products. Each customer's needs are unique and we design high quality products in a timely manner to meet all their individual needs.

Cost efficient and easy installation

In our home amplifiers there is no need for alignment. As a result they are quick and easy to install. All you have to do is to connect up and power on. Thus they save time and money to install.

Highlights

- Tailor-made designs
- Frequency range up to 1218 MHz and beyond
- Fixed bandsplit
- Energy saving power supply
- Fixed power cord or external adapter
- No adjustments needed

Some title

Teleste specialises in offering customers solutions to their needs as well as tailor-made products. We welcome opportunities to look into customers entire application needs and offer solutions to meet them.

Explore Teleste's wide range of Basic RF Amplifiers and see what we can offer for your needs.

AVAILABLE
MODELS

Model: 3OV-xTx-AR204

Home Amplifier with a downstream frequency range of 258 - 1218 MHz and an upstream range of 5 - 204 MHz. Available as 1 or 2 output port versions.

On-line Information

Model: OV-8420

A 4–way Home Amplifier with an extended frequency range 5-65/85-1218 MHz. 0.5/2/4/8 dB amplification.

On-line Information

Model: 3GVR-AR

A 1.2 GHz DOCSIS 3.1 Home Amplifier with 6 Ports. Equipped with 2 bidirectional data ports and 4 unidirectional TV ports.

On-line Information

Model: HDU

1.2 GHz Amplifier platform that provides up to 8 dB gain with 8 dB equalization option. Local and remote powering options.

On-line Information

Model: 3VHA-AR

A 1.2 GHz DOCSIS 3.1 Home Amplifier with 4 Ports. Equipped with 2 bidirectional data ports and 2 unidirectional TV ports.

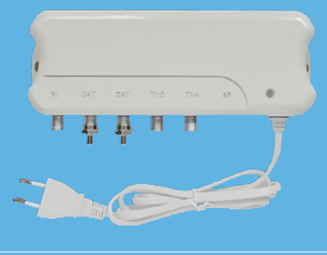
On-line Information

Model: NIU-2420BTF

A 5 output Home Amplifier with four unidirectional TV ports and one bidirectional DATA port.

On-line Information

Model: VHA-3304-AR



A premium grade multimedia NIU with an active return path and 4 user ports. Comes with an energy-saving power supply.

On-line Information

Model: NIU-WO/T1

A Wall-outlet Amplifier for indoor use with a surge arrester and thermal fuse.

On-line Information

> Our House Connection Amplifiers have excellent ESD and Surge Protection providing reliable and robust operation

HOUSE CONNECTION AMPLIFIERS

ROBUST AND RELIABLE

Our comprehensive range of House Connection Amplifiers provides compact, robust, and reliable solutions for any household distribution network. These amplifiers are designed for networks where cost efficiency and easy installation are the primary concerns.

Reliable solutions

Teleste has many years of successful product deployments which work well in the field. These use well tried and tested designs and component selections which ensure our products have high and long lasting performance.

Highlights

- Tailor-made designs
- Frequency range up to 1218 MHz and beyond
- Fixed bandsplit
- Remote and local powering options
- Low power consumption and high performance
- Adjustment options for use in many situations

Customisations

Teleste's strength is to listen to the operator's need and quickly create a tailor-made solution based on standard building blocks which have proven themselves over a period of time.

Easy alignment
Step spin rotary switches

F-connectors
Fixed connectors

3DH3228-AR204
Dedicated amplifier for 204 MHz DOCSIS 3.1 applications

Single output
High output amplifier 204/1218 MHz

External test points

3DH3228-AR204 is equipped with 230 VAC power supply with euro plug. It comes with 4 x F-female connectors and 0 dB Universal Plug-in.

AVAILABLE
MODELS

Model: DH4030-R065-AC

A remote powered high performance 5-1006 MHz Amplifier with a 65/85 MHz fixed band split.

On-line Information

Model: 3DH3228-AR204

A 5-1218 MHz Amplifier with a 204/258 MHz fix band split. GaAs FET and GaAs pHEMT technology for best performance.

On-line Information

Model: DH6908VA

A 1 GHz House Connection Amplifier with 41 dB downstream gain and 31 dB upstream gain.

On-line Information

Model: DH6868VA

A 1 GHz House Connection Amplifier with 39 dB downstream gain, 29 dB upstream gain, and 100 dBµV output.

On-line Information

Model: DH6768VA

A 1 GHz House Connection Amplifier with 36 dB downstream gain, 28 dB upstream gain, and 100 dBµV output.

On-line Information

Model: DH1660

A 1 GHz single active output Amplifier with 31 dB maximum gain in the forward bandwidth and 25 dB in the reverse bandwidth.

On-line Information

Model: DH5669

A 1 GHz single active output Amplifier with 31 dB maximum gain in the forward bandwidth and 25.5 dB in the reverse bandwidth.

On-line Information

Model: DH6768VA-R085

A 1 GHz House Connection Amplifier with 36 dB downstream gain, 28 dB upstream gain, and 100 dBµV output.

On-line Information

CORPORATE RESPONSIBILITY

ENVIRONMENTALLY FRIENDLY PRODUCTS

Environmental friendliness is reflected in the energy consumption, durability and serviceability of products.

Design

Product development plays a key role in our consideration of the product life cycle environmental impact. Decisions made at the design stage have great significance for the entire product life cycle, as they cover the entire supply chain from the procurement of raw materials to the removal of the product from the market. Environmentally conscious product design aims to reduce material volumes, cut energy consumption, extend the life cycle of the network infrastructure as a whole and improve product quality. Modularity is an important aspect in product design, and nearly all of the HFC access network products are modular.

Sourcing

Teleste's international supplier network consists of suppliers from more than 20 countries. In direct purchases, 20 per cent of suppliers account for 80 per cent of all sourcing. Co-operation with suppliers is based on annual contracts and a long-term approach. The co-operation is steered and monitored through the Code of Conduct, guidelines concerning functions such as logistics and order processing, supplier evaluations, supplier self-evaluations, meetings and audits. Sourcing is divided into two main categories. Direct sourcing concerns the various components, products and services needed in the assembly of Teleste's own products. Indirect sourcing concerns goods and services that we use for our own business operations. Teleste always strives to ensure that materials come from ethically and environmentally responsible sources. The company uses a third-party service to maintain the necessary information pertaining to the legitimate trade of natural resources and supply chains in line with sustainable development. The third-party service monitors the origin of the raw materials used in standard components (conflict minerals, 3TG).

Production

The most significant sources of environmental impacts in Teleste's manufacturing are energy consumption and the waste generated by the company's operations. Teleste's production operations consist of the manufacture, assembly and testing of electronics. All of these processes are environmentally safe. Production efficiency is maintained by using the lean approach. One aspect of quality development in production is the use of continuous improvement boards (JAPA boards). In 2018, JAPA activities were extended to cover employee processes, and the first office robotics applications have been implemented for the update of forecast and control parameters. In addition, Teleste applies the 5S method in its production. This method focuses on improving productivity by eliminating non-value-adding activities, improving quality and safety and creating a visually attractive, efficient workplace. The Recycling and reuse section includes more details about the sorting of waste.

Logistics

Our logistics management takes into account environmental questions and cost-efficiency alike, which are typically mutually supportive goals. Cost-efficient logistics often also results in the smallest carbon footprint. The carbon footprint arising from transport results mainly from the transport of materials and finished products. It is reduced by prioritising rail and sea transport in intercontinental logistics over air cargo and by consolidating shipments when possible. In 2019, we were able to reduce the CO2 emissions arising from air transport by as much as 29% compared to 2018.

Usage

Teleste's products are safe throughout their production process and service life. The design of products takes into account the full product life cycle, including availability, service life and serviceability. The upgradeability of products with long life spans is part of the environmental perspective. Customer satisfaction is guaranteed by long-lasting and serviceable products with energy consumption matching the set targets. Teleste continuously develops its access network products to allow its customers (operators) to reduce their network electricity consumption relative to the amount of data transmitted.

Recycling and reuse

The sorting of waste at source is essential for efficient recycling and reuse. At Teleste, all waste generated is appropriately sorted for recycling.

FOR MORE INFORMATION PLEASE VISIT

WWW.TELESTE.COM

TELESTE CORPORATION
P.O.Box 323
FI-20101 Turku, Finland