


# Terrestrial signal combiner 3 inputs: VHF-UHF-UHF

3-input combiner for several terrestrial bands. Includes orange mast-mount case for outdoor installation.
Allows current pass from output to one of the UHF inputs to power a mast amplifier or a BOSS system.

| | |
|---|---|
| Ref. | 433401 |
| EAN13 | 8424450183168 |

| Other features | |
|---|---|
| Colour | Orange |

| Packaging info | |
|---|---|
| Blister | 1 pcs. |
| Box | 10 pcs. |

| Physical data | |
|---|---|
| Net weight | 200.00 g |
| Gross volume | 1.60 dm³ |
| Gross weight | 220.00 g |
| Width | 88.00 mm |
| Height | 79.00 mm |
| Depth | 42.00 mm |
| Main product weight | 200.00 g |

## Highlights

- EasyF system: easy, quick and safe connectorization
- High-screening Zamak chassis
- DC pass
- Resistant ABS-plastic case for outdoor installation
- Durability and UV resistance of plastic parts, validated under the ISO 4892-3:2016 standard

## Discover

**EasyF connection system: simplicity and savings**

EasyF is an innovative connection concept where the inner conductor of the coaxial cable is directly inserted in the device, thus improving connection reliability. Thanks to the absence of F connectors, the chassis can be reduced and the connection of two cables secured with a a single screw.

- Real time savings: speeding the installation is possible without the need for coaxial cable termination. Furthermore, there is no need for screwing the connectors on the device, which is sometimes difficult when there is little room
- Connection reliability: the clamp holding the cables prevents the coaxial cable to come off
- Cost savings: no additional connectors are required (neither F nor IEC)
- Space optimization: inputs and outputs are always on the same side of the device to prevent coaxial cables from bending, and to make working inside cabinets and register boxes easier
- Very easy three-step mounting: only screwing and unscrewing the covers is required to connect both cables:

1. Unscrew the device's cover to access the connection

2. Insert the previously stripped coaxial cables

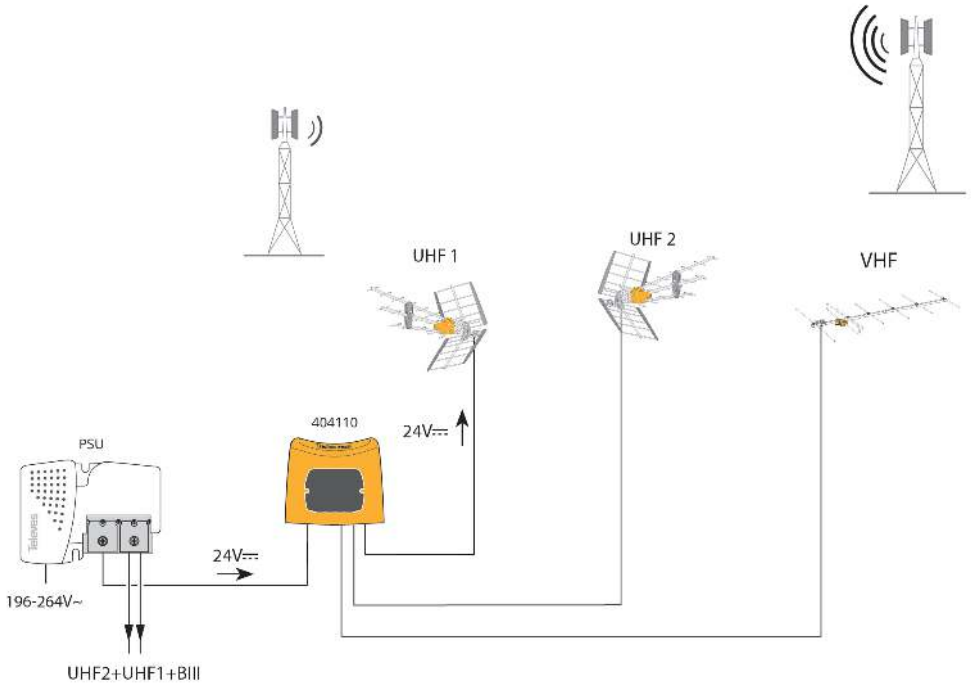
3. Close the cover and screw to ensure connection

**Learn more about EasyF system reliability**

With EasyF, the connection between the coaxial cable and the device is carried out using an automated system for contact insertion of the inner conductor, without any soldering.

- Always as new: the device's operating life increases when the factor of solder wearing out with time is removed
- Failure rate reduction: usually produced as a result of cold soldering joints
- Electromagnetic behaviour optimization: for high frequencies

## Application example


UHF 1
UHF 2
VHF
404110
24V⎓
PSU
24V⎓
196-264V~
UHF2+UHF1+BIII

# **Technical specifications** : Ref. 433401

| | | | | |
|---|---|---|---|---|
| **Connectors** | | "EasyF" type | | |
| **Number of inputs** | | 3 | | |
| **Number of outputs** | | 1 | | |
| **Bands** | | VHF | UHF 1 | UHF 2 |
| **Frequency range** | MHz | 47 ... 254 | 470 ... 790 | 470 ... 790 |
| **IN (VHF) -> OUT attenuation** | dB | 1.5 | > 40 | > 40 |
| **IN (UHF) -> OUT attenuation** | dB | > 40 | 5.5 | 5.5 |
| **Return losses** | dB | 10 | 10 | 10 |
| **Operating temperature** | °F | 23 ... 113 | | |
| **Protection index (IP)** | | 23 | | |