

# **+++ SAFETY INSTRUCTIONS +++**

## **CONNECTING THE AM/FM AND DAB SIGNAL**

The combination antenna **VNA-ANT-COMB** has a special feature: The signal for AM/FM and DAB+ is combined in the antenna base, so that only one extension cable (VNA-ANT16) is required. In the case of receivers with separate inputs for AM/FM and DAB+, the signal must be divided again between the two areas using the enclosed Y-adapter **VNA-ANT25**.

**ATTENTION:** If your Naviceiver or Car Radio has an active antenna output with +12V, e.g. all ESX Naviceivers, the +12V connection of the combination antenna **MUST NOT** be used.

**CAUTION:** Not every Naviceiver or Car Radio can process this combined antenna signal without interference, i.e. plugging in the Y adapter can cause a short circuit.

**COMPATIBLE** ESX Smart Naviceiver are the devices of the series **VN830 / VN930 / VN1030 / VN940 / VN945 / VN1040 / VN1045**.

**NOT COMPATIBLE\*** ESX Smart Naviceiver are the devices of the series **VN1015 / VN1050 / VN1060 / VN1061**.

We cannot give any advice for devices from third-party manufacturers.

**\*SOLUTION:** Before connecting the connector plugs, check if your device is compatible. If this is not the case or you are not sure, a separately available antenna splitter such as **VNA-SPA-FAKRA** or another passive antenna splitter must be used instead of the Y-adapter, which reliably separates the two signals or inputs.

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## **USING THE EXTENSION CABLES**

The **VNA-ANT-COMBSET** includes three VNA-ANT16 extension cables, each with 5 meters, which are used for the three different antenna signals **GPS**, **4G/LTE** and **AM/FM/DAB**.

**CAUTION:** These antenna signals must not be allowed when connecting to the Naviceiver or Car Radio are not interchanged. Otherwise damage could be caused to the device or the combination antenna.

**REMEDY:** Before you lay the extension cables to the Naviceiver or Car Radio, you should use the enclosed stickers to label the three extension cables according to their function. It is therefore essential to ensure that the extension cables are labeled correctly at both ends so that they can be correctly connected to the device in order to avoid confusion.