Discover the SMART AMP
Terrestrial Smart Amplifier

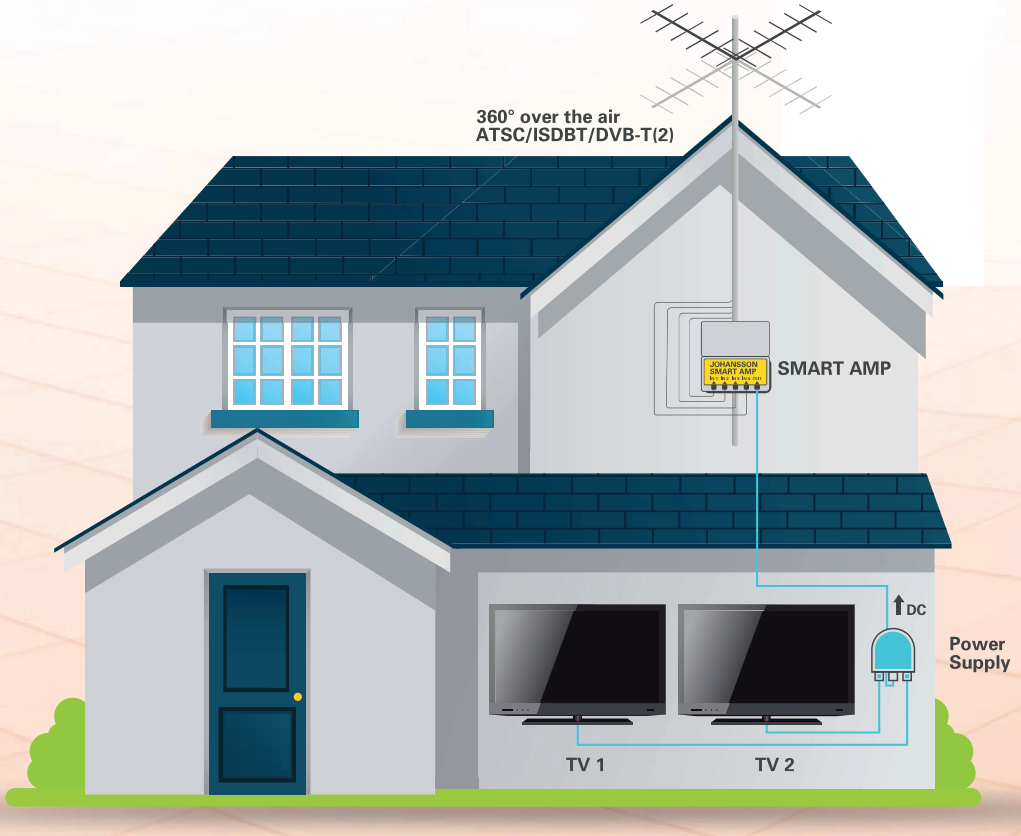
Meet the new Johansson SMART AMP!
Combining 2, 3 or 4 TV antennas for full HDTV reception has never been so easy

Combining multiple terrestrial antennas for full HDTV reception is often a problem. Mostly, the signal from multiple antennas is combined using a simple splitter, but this solution doesn't work:

- Loss of 4dB (minimum) = only half the signal left when combining 2 antennas
- Channels with same Channel Number are lost
- Poor isolation between adjacent channels
- Lots of interruptions due to bad signal quality

TV viewers are looking more and more towards terrestrial TV reception. But the current situation is absolutely not optimal... So the market needs a solution that offers:

Better signal quality, more TV channels, Plug & Play installation



Your benefits:

- Better signal quality
- More channels
- Plug & Play installation

PATENTED PRODUCT

800-688-9282 | nace.tv | sales@northamericancable.com

Auto-programming Smart Amplifier for SFU

Preliminary features

- Scans all channels, amplifies the weak signals while keeping the strong channels
- All output channels have an equal and stable output power
- Treats even the most difficult situations with adjacent channels
- Channels with the same frequency can be amplified in and re-located to the LTE band (switchable)
- Fully automatic channel scan and process function upon double power start-up.
- Fully automatic recognition of the applied country channel plan
- SAW filters for LTE (4G/5G) protection on all inputs
- Outdoor weatherproof mast-head housing
- DC Power over coax
- All ports ESD protected

Parameter	Unit	ATSC SMART AMPLIFIER
Inputs	-	4
LTE rejection	-	4G/5G (>CH51)
Channel plan	-	VHF Channel 7 – 13 + UHF Channel 14 - 50 Automatic channel plan selection
LTE band rejection	dB	>40
Output	-	1
Output Power	dBµV	90
Frequency range	MHz	174 - 862
Noise figure	dB	7
LTE band Re-use	-	LTE2 = CH51-69 (695MHz-806MHz) Switch ON-OFF
Adjacent channel isolation	dB	>35
Input sensitivity	dBµV	minimum 40
Power	-	12V/300mA (DC over coax) (350mA - 4 in)
Power Supply	-	External power supply (ref. 2437US - 2 out) included
Dimensions	in. (mm)	4.72 x 4.52 x 50 (120 x 115 x 50)
Operating temperature	°F (°C)	-4 to 122 (-20 to 50)

PATENTED PRODUCT

09/2021

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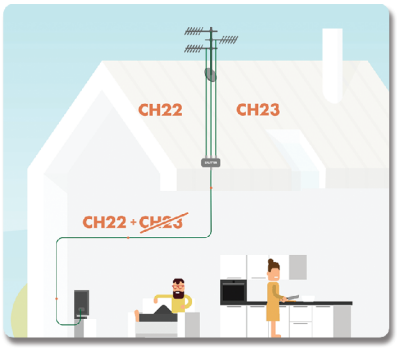
ATSC
Smart Amp

ATSC 3.0

Get more terrestrial TV with better signal quality

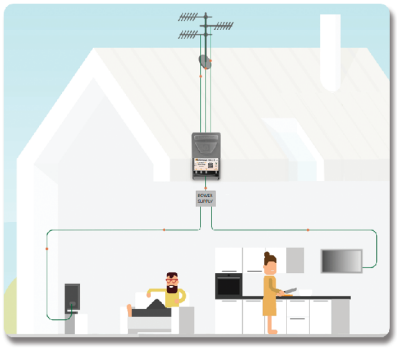
Combining multiple antennas for terrestrial television with a simple splitter causes many problems



- ✘ Channels with the same channel number are lost
- ✘ Adjacent channels are poorly isolated
- ✘ Bad signal quality causes interruptions and poor video quality

The Johansson Smart Amp solves these issues easily!

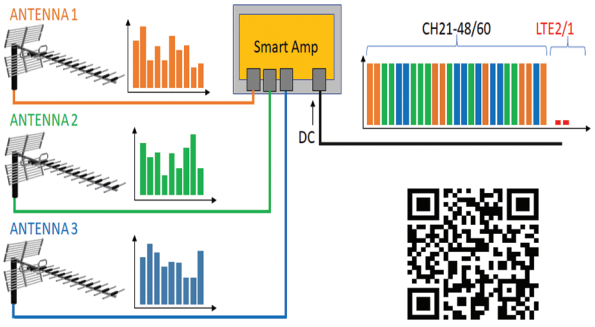
The Smart Amp auto scans all available channels, allows you to set up antennas for 360-degree over-the-air reception, and is compatible with all terrestrial standards. In addition, it's 4G and 5G resistant.



- ✔ It's a fully automatic active channel amplifier for digital terrestrial TV.
- ✔ This small product offers you better signal quality and more TV content because it repositions channels with the same frequency.
- ✔ It duplexes adjacent channels, with real-time and automatic gain control.

Installation is Simple

The auto scan function will do the rest!



ATSC SMART AMP

Off-Air Antenna
Auto-Programming Preamplifier

Combining multiple terrestrial antennas for full reception can often be problematic, the ATSC SMART AMP has been developed to solve these problems. This unit scans all available ATSC channels, and amplifies the weak signals to balance with any stronger input signals so all output channels have balanced and stable power levels. The unit offers a fully automatic channel scan, and features SAW filters to defeat 4G or 5G LTE signal interference. This unit has been tested to be ATSC 3.0 compatible.

- 174-862 MHz
- ATSC 3.0 compatible
- Combines and amplifies up to 4 off-air antenna inputs
- DC power over coax, power supply included
- Adjacent channel capable
- SAW filtering to reject LTE band interference

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- SAME-DAY SHIPPING ON ORDERS RECEIVED BY 5PM ET
- PRE-SALES AND POST-SALES SUPPORT
- 24/7/365 US-BASED TECHNICAL SUPPORT

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