

# Discover the SMART AMP

## Terrestrial Smart Amplifier

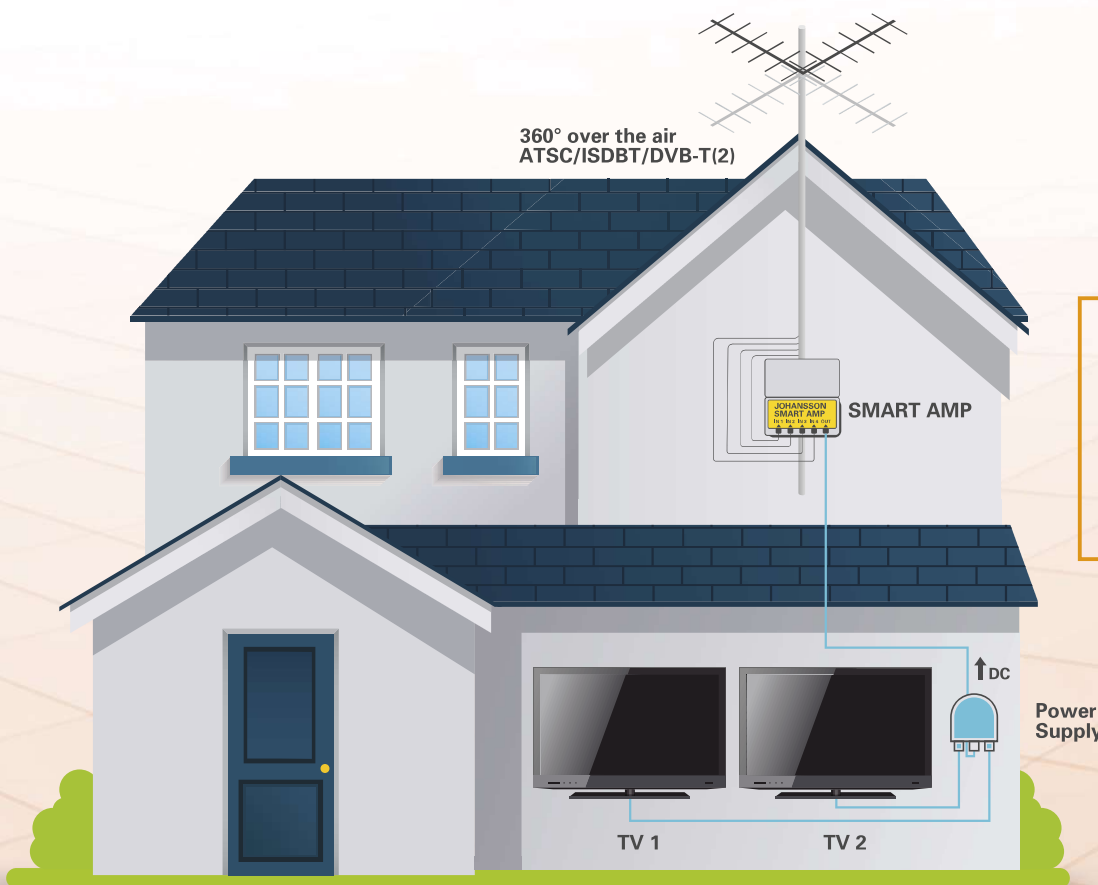
**Meet the new Johansson SMART AMP!**  
**Combining 2, 3 or 4 TV antennas for full HDTV reception has never been so easy**

Combining multiple terrestrial antennas for full HDTV reception in SFU 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

**PATENT PENDING**

## Smart Amplifier for SFU

### Preliminary features

- The Smart Amp 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 will be amplified in the LTE band
- 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
- CE RED compliant



Parameter	Unit	KIT7473L1	KIT7473L2	KIT7474L1	KIT7474L2
Inputs	-	3	3	4	4
LTE rejection	-	4G (CH60)	5G (CH48)	4G (CH60)	5G (CH48)
Channel plan	-	VHF BIII + UHF Different channel plans available			
LTE band rejection	dB	>40			
Output	-	1			
Frequency range	MHz	174 - 862			
LTE band Re-use	-	L1 = CH62-69 (798MHz-862MHz) L2 = CH50-69 (702MHz-862MHz)			
Adjacent channel isolation	dB	>35			
Input sensitivity range	dBμV	45 - 109			
Power	-	12V/300mA (DC over coax)			
Power Supply	-	External power supply (ref. 2437)			
Dimensions	mm	120 x 115 x 50			
Operating temperature	°C	-20 to +50			

**PATENT PENDING**