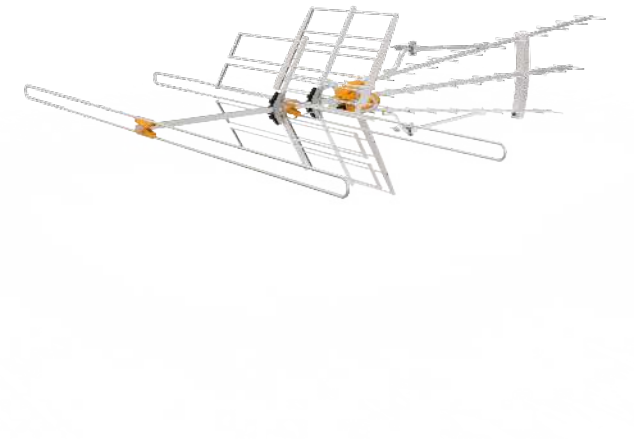
DAT BOSS MIX LR antenna Low-VHF/High-VHF/UHF (Repack Ready)



The DAT BOSS LR LoV/HiV/UHF antenna is an state of the art long range over the air TV antenna that automatically adapts its gain in real time to optimize the reception of television signals, ensuring the optimum level of signal is delivered at all times. This latest repack-ready version has been completely redesigned from the ground up for the new US broadcast frequencies, significantly improving gain and range over previous generations, filtering any interfering 5G signals above 608MHz, and providing independent amplification for the VHF and UHF bands.

The DAT BOSS LR LoV/HiV/UHF is able to receive very weak distant signals while at the same time avoiding overload caused by very strong signals. This is a very high gain directional antenna designed to offer stable and high quality reception of low VHF, high VHF, and UHF signals (RF channels 2-36) in challenging long-range and fringe receiving scenarios despite continuous changes in weather and transmitting conditions thanks to its exclusive and intelligent built-in TForce amplifier. The Televes proprietary stacked triple boom design ensures market leading raw gain while still maintaining a compact and install friendly form factor. No additional preamplifier purchase is required as the antenna includes a best-in-class very low-noise TForce preamplifier built in right at the dipole with automatic gain control, plus FM and cellphone signal filtering adapting to any installation situation.

A low-consumption UL-listed power supply is included providing two outputs for convenient distribution to additional TV sets. Not only do industry experts rave about the DAT BOSS LR LoV/HiV/UHF exceptional long range multi band performance and market leading gain but also the unparalleled manufacturing quality using only the finest materials (aluminum, stainless steel, ABS plastic) ensuring years of trouble free operation in the most challenging environments. It ships as a compact package including the tools needed for assembly. The DAT BOSS LR LoV/HiV/UHF is your best option for a long range high gain antenna with automatic gain control and precise filtering to ensure the best possible reception at all times under the most challenging circumstances.

Ref.	148383
EAN13	8424450231951

Other features	
Colour	Orange

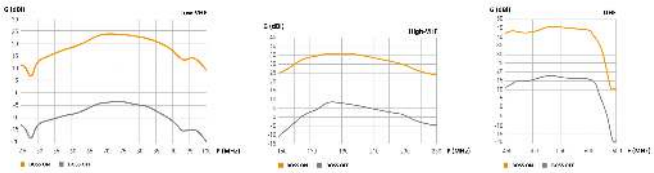
Packaging info	
Box	1 pcs.
Box	1 pcs.
Pallet	20 pcs.

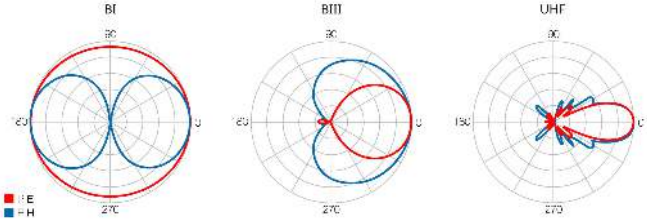
Physical data	
Net weight	4,552.00 g
Gross volume	58.50 dm^3
Gross weight	5,581.00 g
Width	2,652.00 mm
Height	735.00 mm
Depth	2,060.00 mm

Highlights

- The antenna has been completely redesigned for reception of TV signals on RF channels 7-36 improving gain and range over previous generations
- Crystal clear TV reception enabled by a built-in T-Force preamplifier that automatically adjusts its gain independently for VHF and UHF signals for an optimum no-compromise performance
- Elegant cutting edge design built strong to withstand the harshest elements
- FM and LTE/5G filtering eliminates radio and cellular phone interference
- Designed as a compact easy to install product for professionals and consumers alike (82.8 x 70 x 29 in)
- Unlike most other antennas the preamplifier, power supply and LTE/5G filter are included making the DAT BOSS LR LoV/HiV/UHF your best value for fringe reception
- Built-in TForce preamplifier continuously analyzes TV signals received by the antenna to provide the optimum gain and delivered signal level at all times. Based on proprietary MMIC technology exclusive to Televes offering unparalleled performance
- In the event of power failure, the DAT BOSS LR LoV/HiV/UHF will continue to work in passive mode, bypassing the built-in antenna electronics. The antenna can operate in active (amp turned on) or passive mode (amp turned off)
- Fully automated manufacturing in Europe under the most stringent quality controls: a synonym of high reliability

Graphic documentation





Frequency response

Radiation pattern

Technical specifications : Ref. 148383

Bands		LowVHF		HighVHF		UHF	
Frequency range	MHz	54 ... 88		174 ... 216		470 ... 608	
Channels		2 ... 6		7 ... 13		14 ... 36	
BOSS mode		ON	OFF	ON	OFF	ON	OFF
Gain	dBi	30	5	38	8.5	46	15
Output level		Auto*[1]	--	Auto*[2]	--	Auto*[3]	--
Powering	Vdc	12	--	12	--	12	--
Max. current	mA	70	--	70	--	70	--
Beamwidth	º	67		58		35	
F/B ratio	dB	> 8		> 10		> 25	
Wind load (@80miles/h)	N	201.6					
Wind load (@93miles/h)	N	277.2					
Mast diameter	in	0.787 ... 1.969					

*[1] The gain is automatically adjusted according to the level of output

*[2] The gain is automatically adjusted according to the level of output

*[3] The gain is automatically adjusted according to the level of output