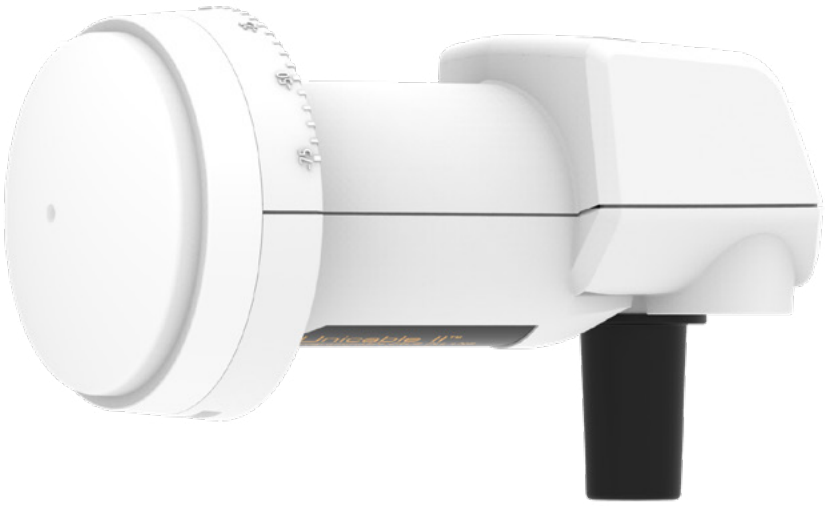


Unicable II®

Unicable II® Programmable 32UB dCSS LNB

IDLU-32L412-UNBRR-OPN

Item: 5520

This Unicable II®LNB is based on digital channel stacking technology and enables installations with up to 32 satellite receivers connected over a single coax cable and using the EN50494/EN50607 protocols - also known as 'Dynamic' mode. In this mode, the satellite receivers can access any transponder of the received satellite. Alternatively, it can be configured to down-convert a set of 32 transponders (or more, depending on the bandwidth of the desired transponders) and stack them over its output - also known as 'Static' mode. This mode allows an unlimited number of receivers to be connected and access these transponders.

Digital channel stacking technology uses fast wideband analog to digital converters and applies digital signal processing to select desired transponder channels, up convert them and stack them as IF signals over the output port. Unicable II® LNBs offer a cost effective and elegant solution for distributing the satellite signals to multiple set-top-boxes (multiroom) or multi-tuner PVRs over existing cabling hence significantly reducing cost and complexity of the installation at the subscribers' homes. The Static mode, allowing an unlimited number of receivers to be connected to the LNB over a single cable distribution, makes installations in buildings, campuses and closed communities substantially cheaper and simpler than ever before. The operating mode (dynamic/static), output power level, channel bandwidth, UB frequencies and dish alignment mode are all programmable and can be configured and updated in the field using Inverto's SatPal™ Controller*.

The LNB can be powered over a connected STB or by an AC/DC adapter over a power inserter in case the STB is unable to provide the necessary power. Unicable II® is backward compatible, fully compliant with both EN50494 and EN50607 standards and integrates seamlessly into EN50494-only or mixed EN50494/EN50607 installations of compatible STBs, Next Generation PVRs and HGWs.

For more information on the Unicable II®technology and its advantages please refer to: www.inverto.tv/what-is-unicable-2
For more information on the SatPal™ technology and its advantages please refer to: www.inverto.tv/what-is-satpal

Main Features:

- Low Phase Noise UHD DVBS2 compliant
- Low Noise Figure
- Very high cross-polarization isolation
- Programmable configuration
- Dish alignment mode with fixed gain
- Low power consumption

* SatPal™ Controller not included, sold separately as an optional accessory

32 User Bands

40 mm

Programmable*

4K Ultra HD

4G

Technical data

Input frequency range	10.7 GHz ~ 12.75 GHz
LO frequency	10.4 GHz
Noise figure	1 dB max.
LO temperature drift @ 25 °C	1.0 MHz max.
LO Initial accuracy	500 kHz max.
LO phase noise @ 1 kHz	-60 dBc / Hz max.
LO phase noise @ 10 kHz	-80 dBc / Hz max.
Conversion gain	55 dB min.
Gain variation (over full band)	±0.75 dB/UB max.
Image rejection	40 dB min.
1 dB compression point (@ output)	0 dBm min.
Cross polarization isolation	22 dB min.
Output VSWR	2.5 : 1
Current consumption	280 mA max. @ 18 VDC
Operating temperature	-30 °C ~ +60 °C
Output impedance	75 Ω
Output connector type	F-Type (female)
Weight	152.5 g

Unicable II™ (dCSS) port specifications

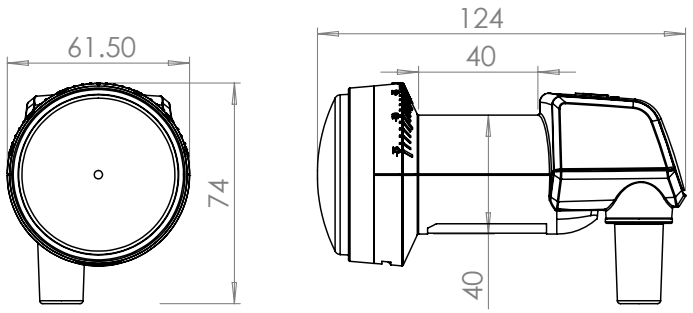
Bandwidth User Band	Configurable, 10 MHz ~ 64 MHz (default 36 MHz)
Output power level (dSCR/dCSS with AGC)	-25 dBm (83 dBuV) +/-1 dB
Number of User Bands	Up to 32 User Bands
Standard configuration	32 UBs in dynamic mode:

CH1 1210MHz (EN50494+EN50607)	CH17	1530MHz	(EN50607)
CH2 1420MHz (EN50494+EN50607)	CH18	1566MHz	(EN50607)
CH3 1680MHz (EN50494+EN50607)	CH19	1602MHz	(EN50607)
CH4 2040MHz (EN50494+EN50607)	CH20	1638MHz	(EN50607)
CH5 984MHz (EN50494+EN50607)	CH21	1716MHz	(EN50607)
CH6 1020MHz (EN50494+EN50607)	CH22	1752MHz	(EN50607)
CH7 1056MHz (EN50494+EN50607)	CH23	1788MHz	(EN50607)
CH8 1092MHz (EN50494+EN50607)	CH24	1824MHz	(EN50607)
CH9 1128MHz (EN50607)	CH25	1860MHz	(EN50607)
CH10 1164MHz (EN50607)	CH26	1896MHz	(EN50607)
CH11 1256MHz (EN50607)	CH27	1932MHz	(EN50607)
CH12 1292MHz (EN50607)	CH28	1968MHz	(EN50607)
CH13 1328MHz (EN50607)	CH29	2004MHz	(EN50607)
CH14 1364MHz (EN50607)	CH30	2076MHz	(EN50607)
CH15 1458MHz (EN50607)	CH31	2112MHz	(EN50607)
CH16 1494MHz (EN50607)	CH32	2148MHz	(EN50607)

Channel isolation	25 dB min.
Control protocols	DiSEqC1.x / DiSEqC2.x, EN50494 / EN50607
Alignment mode	13/18 VDC + 0/22kHz, fixed gain

Logistical data

Packaging dimensions (h x w x d)	12.7cm x 6.5 cm x 6.5 cm
Packaging weight	0.178 kg
Quantity per carton	100
Carton dimensions (h x w x d)	52.5 cm x 34.3 cm x 34.3 cm
Carton weight	18.5 kg
Quantity per pallet	3000



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