



## Unicable cascading switch 8 User Bands with Terrestrial input & 1 Legacy port. Powered over Unicable.

(AC/DC power adapter and power inserter)

Model: IDLU-UST113-CUO10-8PP

Item: 5240

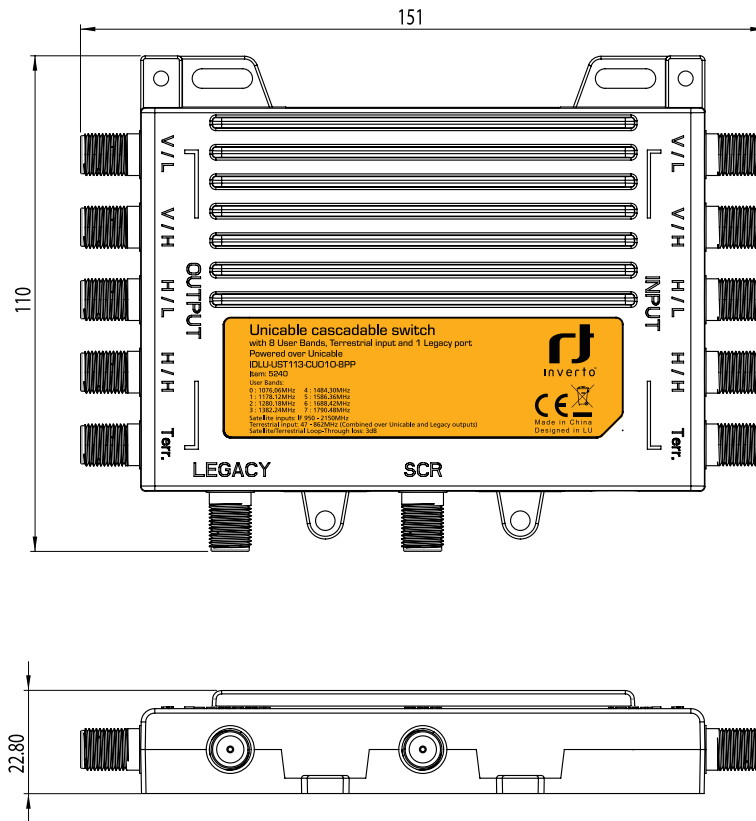
The IDLU-UST113-CUO10-8PP is the smallest form factor Unicable switch enabling installations with up to 8 satellite receivers over a single cable.

In addition to its eight User Bands Unicable output, the multiswitch also features a legacy output and is powered through its Unicable port either via a connected STB or with the AC/DC adapter via the power inserter device (in case the connected LNB needs to be powered too).

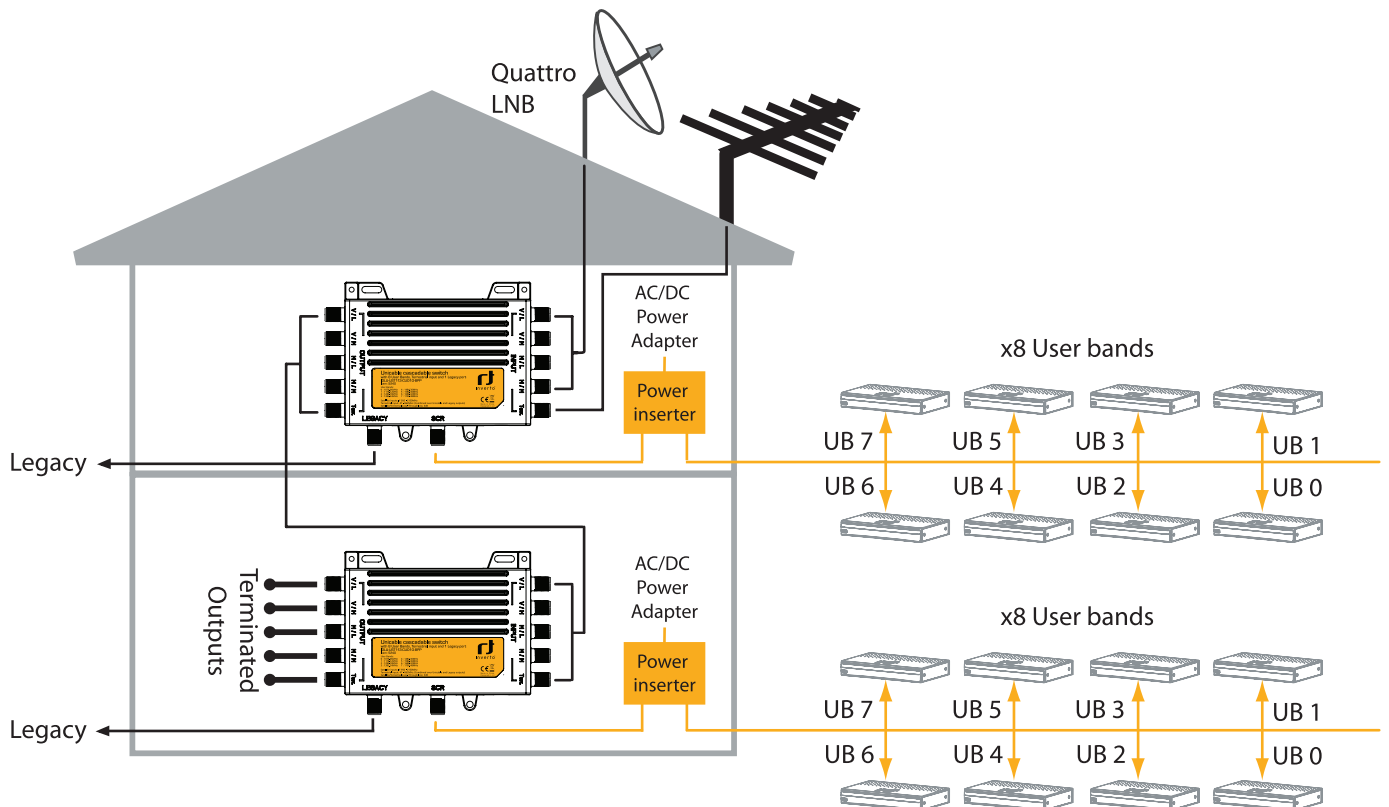
The multiswitch receives (and cascades) four satellite IF bands (L/V, L/H, H/V and H/H) and Terrestrial VHF/UHF signals. Both the Unicable and the legacy outputs are combined with the Terrestrial signal. The Terrestrial input is not amplified.

The communication protocol between the multiswitch and the receivers connected through the Unicable port is based on the EN 50494 standard for single cable distribution.

For indoor and outdoor installations.



## 8 User Band Unicable multiswitch with Legacy port Connection Diagram



Supplied with AC/DC power adapter and power inserter

## Technical Specifications

Inputs	4 x Satellite IF inputs from Quattro LNB 1 x UHF/VHF input from Terrestrial antenna
Outputs	4 x loopthrough satellite IF outputs 1 x loopthrough terrestrial output 1 x Legacy output with combined terrestrial signal. 1 x Unicable output for up to 8 receivers with combined terrestrial signal
Control Protocol	DiSEqC extension commands per EN50494
Inputs frequency range: Satellite	950 ~ 2150 MHz
Terrestrial	47 ~ 862 MHz
Loop-through loss: Satellite	3 dB max.
Terrestrial	3 dB max.
Conversion gain: Unicable output	+10 to +20 dB
Legacy universal output	-1 to +7 dB
Output signal level (ACG controlled)	93dBμV
Input power range	-45 to -15 dBm
User band (Channel) bandwidth	40 MHz
User band (Channel) gain ripple	3 dB max.
User band frequencies (Channels)	CH 0 : 1076.06 MHz CH 1 : 1178.12 MHz CH 2 : 1280.18 MHz CH 3 : 1382.24 MHz CH 4 : 1484.30 MHz CH 5 : 1586.36 MHz CH 6 : 1688.42 MHz CH 7 : 1790.48 MHz
RF Isolation:	
Satellite/Satellite IF	28 dB min.
Satellite/Terrestrial	35 dB min.
Satellite Channel/Channel (UBs)	30 dB min.
LO phase noise	@1 KHz: -92 max dBc/Hz @10 KHz: -101 max dBc/Hz @100 KHz: -99 max dBc/Hz @1 MHz: -103 max dBc/Hz
Integrated phase noise	1.5 degrees max.
Input / Output VSWR	2.5 : 1
Input / Output Impedance	75 Ω (F-Type)
LNB input	V/L=>13V/0kHz , V/H=>13V/22kHz H/L=>18V/0kHz , H/H>18V/22kHz
LNB power supply	13/18V, max 300mA
DC Power consumption	300mA @13Vdc [max.]
Working Temperature	- 34 ~ + 60 °C
Dimensions	151 x 110 x 22.8 (H x W x D) mm

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