



BLACK Pro

Unicable cascadable switch 4 User Bands & 1 Legacy with Auto Install

IDLU-UST113-CUO1A-4PP

Item: 5169

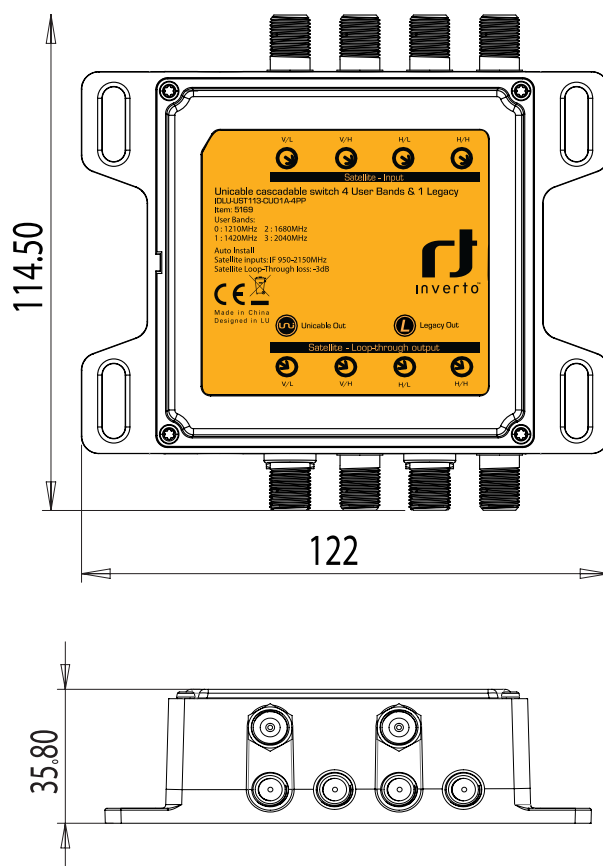
The IDLU-UST113-CUO1A-4PP is a small form factor Unicable multiswitch enabling installations with up to 4 satellite receivers over a single cable. In addition to its Unicable output, the multiswitch provides a useful universal legacy output so that a legacy satellite receiver can be connected as well.

**Unicable
multiswitch**

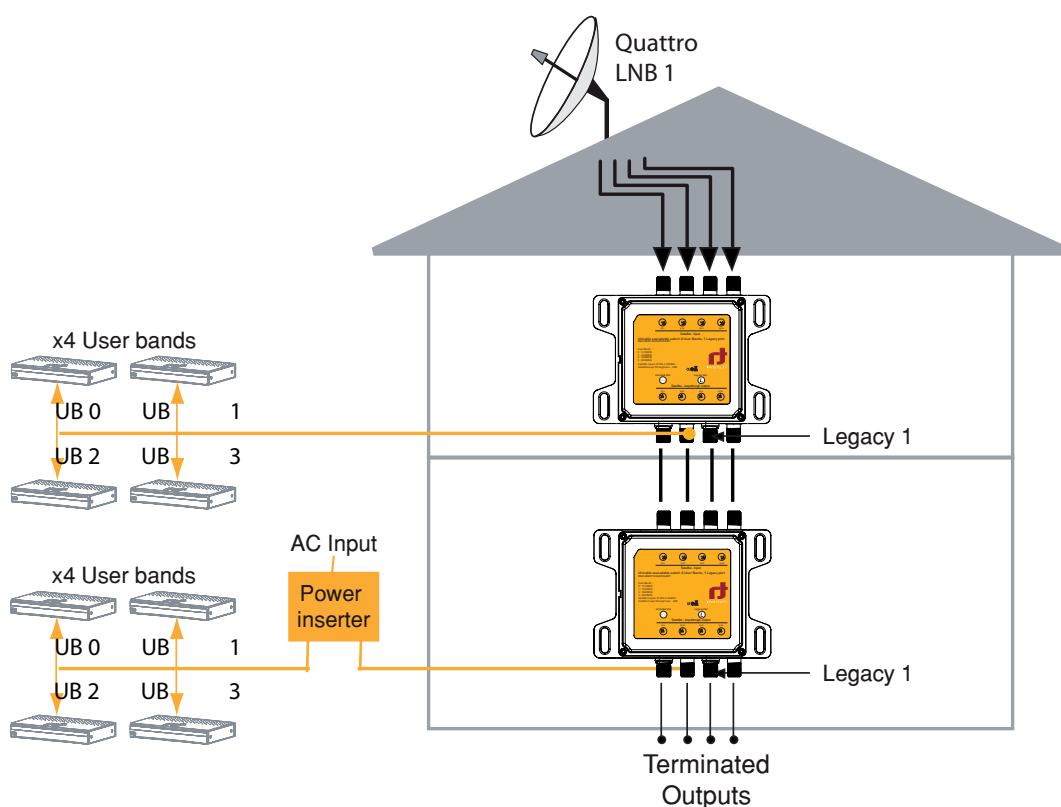
Providing full flexibility and supporting various installation scenarios, the multiswitch may be powered by any of the connected Unicable receivers directly or through an external AC/DC Power Supply and a Power Inserter - see supported installations diagram below.

The multiswitch receives (and cascades) four satellite IF bands (L/V, L/H, H/V and H/H). 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.



**4 User Band Unicable multiswitch with Legacy port
Connection Diagram**



For long cable installations, it is recommended to use the supplied Power Inserter and the AC/DC adaptor in order to ensure proper and stable input voltage level. The power inserter shall be connected over the Unicable port.

Accessories:
Power insert
External AC/DC power adaptor

Technical Specifications

Inputs	4 x Satellite IF inputs from Quattro LNB 4 x loopthrough satellite IF outputs
Outputs	1 x Legacy output 1 x Unicable output for up to 4 receivers
Control Protocol	DiSEqC extension commands per EN50494
Inputs frequency range:	950 ~ 2150 MHz
Conversion gain:	- 3 dB max. +10 to +20 dB -1 to +7 dB
Loop-through loss	93dB μ V
Unicable output	-45 to -15 dBm
Legacy universal output	40 MHz 3 dB max.
Output signal level (AGC controlled)	CH 0 : 1210.00 MHz CH 1 : 1420.00 MHz CH 2 : 1680.00 MHz CH 3 : 2040.00 MHz
Input power range	
User band (Channel) bandwidth	
User band (Channel) gain ripple	
User band frequencies (Channels)	
RF Isolation:	
Satellite/Satellite IF	28 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 @10 MHz: -127 max.
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/0K , V/H=>13V/22K (V) H/L=>18V/0K , H/H=>18V/22K (H) 13/18V, max 400mA
LNB power supply	20V @225 mA [max] (F-Type)
DC Power consumption	- 20 ~ + 60 °C
Working Temperature	120 x 88 x 35 (H x W x D) mm
Dimensions	