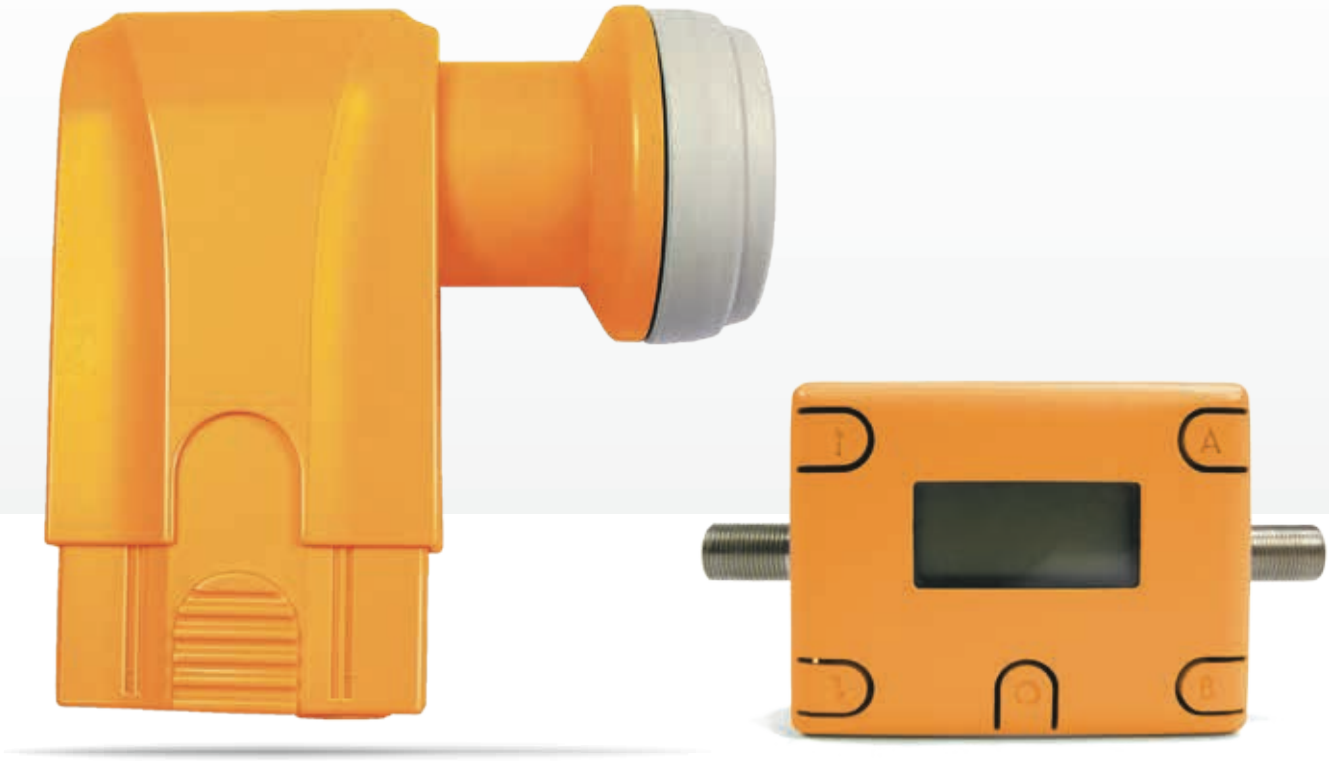
A WHOLE SATELLITE
DISTRIBUTED THROUGH A SINGLE COAXIAL CABLE



dLNB - DIGITAL dCSS LNB AND PROGRAMMER
(REF. 747321/22 and 723301)

- Static or dynamic configurable mode
- PC-based configuration
- Available diagnostics
- dCSS compatible (SCR I - EN50494 & SCR II - EN50607)

dCSS TECHNOLOGY | USB | CUSTOMIZABLE

dLNB - DIGITAL dCSS LNB AND PROGRAMMER

DESCRIPTION

The dLNB product range uses **dCSS *(Digital Channel Stacking System)*** which is equivalent to having a whole SAT processing headend the size of an LNB.

This technique consists in processing the transponders of a satellite and positioning them in the SAT band according to the installation requirements.

Two operation modes are available:

STATIC MODE: up to 32 packets can be generated following a simple SAT distribution. Any TVSAT receiver can capture signals when working in this mode.

DYNAMIC MODE: each SAT packet that is generated is assigned a network user, who is able to modify the packet contents at will with a compatible STB. This mode is limited to 24 *User bands*.

The **dLNB configuration** is carried out with a Windows-based software stored in the programmer (ref. 723301). The programmer can store up to 5 configurations and allows them to be dumped to the dLNB.

The dLNB **complies with standards SCR I and SCR II (dCSS)**. Both have the same type of application, dCSS being a second generation of the first one. This feature makes dLNB compatible with the STB implementing SCR and with new generation dCSS STB.

MAIN FEATURES

- A whole satellite on a single cable
- Adaptable storable configurations
- The ref.723301 programmer allows system configuration and diagnosis
- The dLNB has operation modes that facilitate the dish pointing process
- A given configuration may include some transponders set as SCR I and some others set as dCSS, based on the existing STB for that installation.

HIGHLIGHTS

- dCSS technology adds value to a SAT distribution
- Using a single cable reduces the complexity of the installation
- Configuration is flexible and scalable
- Compatible with SCR I versions
- Pre-configured references

REF.	DESCRIPTION	EAN 13
747321	dLNB OFFSET 1USC. 30TP STATIC dCSS	8424450186718
747322	dLNB OFFS. 1U. DYNAMIC 8xSCR/dCSS+8xdCSS	8424450186879
723301	dLNB PROGRAMMER	8424450186732

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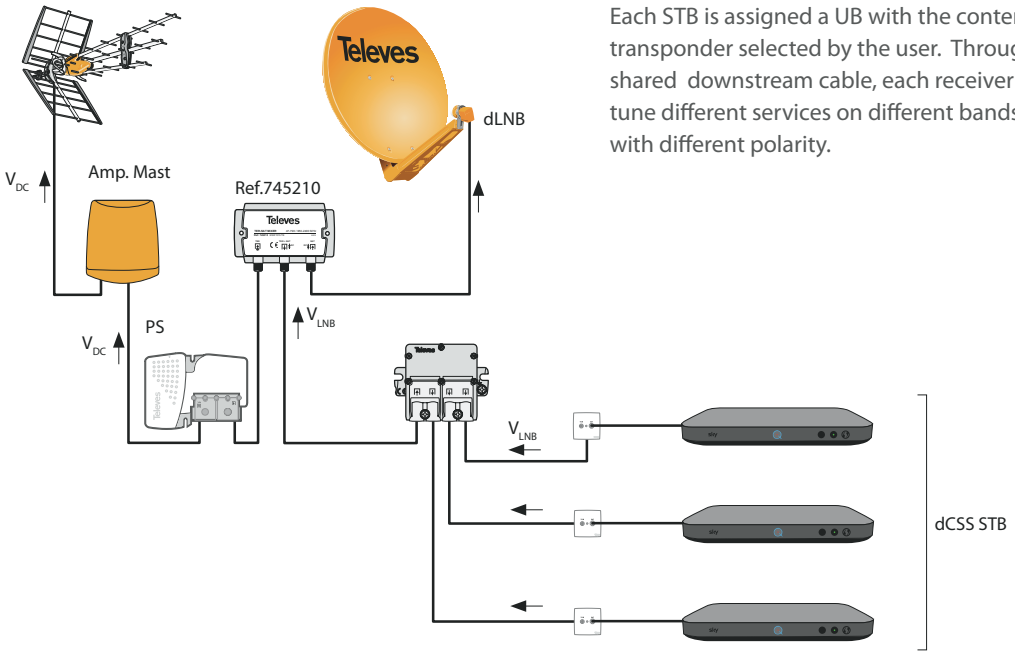
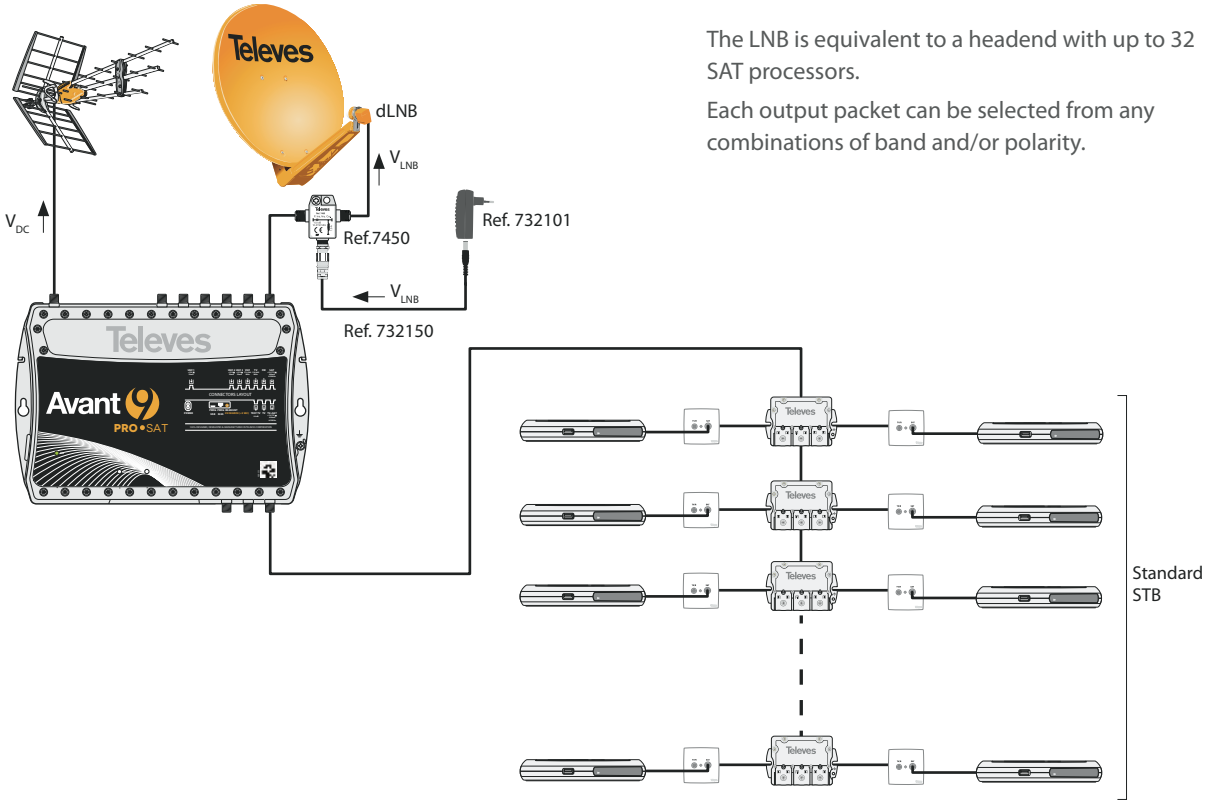
DYNAMIC MODE INSTALLATION



Each STB is assigned a UB with the contents of the transponder selected by the user. Through a single shared downstream cable, each receiver is able to tune different services on different bands and/or with different polarity.

STATIC MODE INSTALLATION

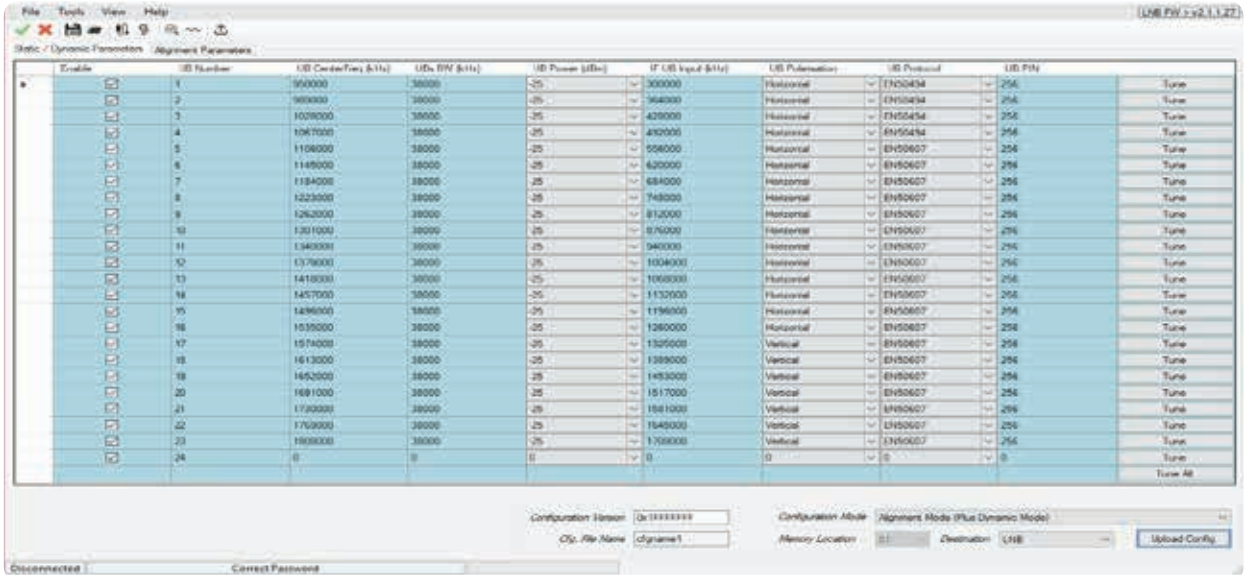


The LNB is equivalent to a headend with up to 32 SAT processors.

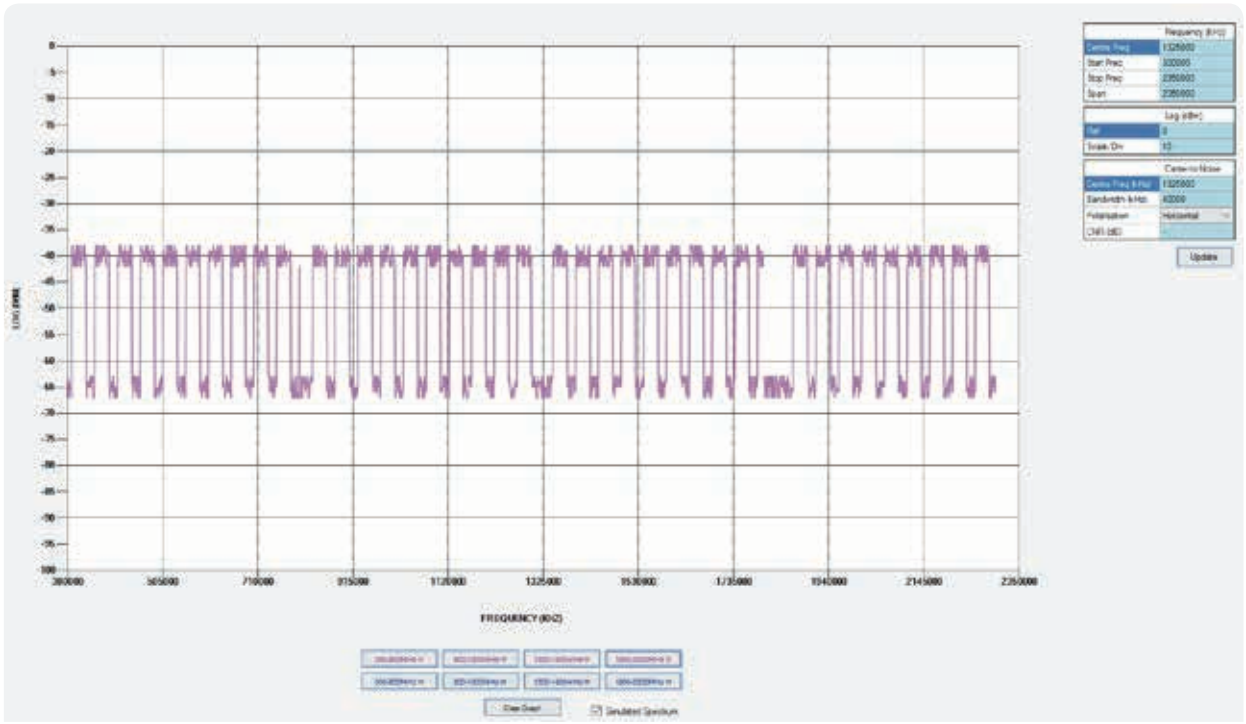
Each output packet can be selected from any combinations of band and/or polarity.

dLNB - DIGITAL dCSS LNB AND PROGRAMMER

DYNAMIC MODE INSTALLATION



OUTPUT SIMULATION



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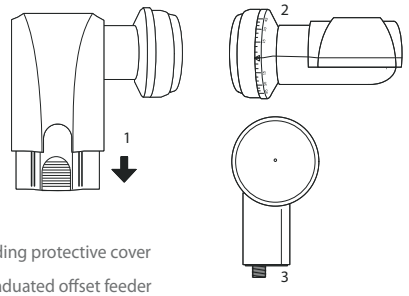
Scan this QR to access the
Frequency Plans
for each Reference
EN.TELEVES.COM/DCSS-DLNB

dLNB Ref.7473xx

TECHNICAL SPECIFICATIONS

Input frequency	GHz	10.7...12.75
Output frequency	MHz	950...2150
OL frequency	MHz	10400
OL Stability	MHz	± 1
User Band channels (UB)		24 dynamic / 32 static
User Band bandwidth	MHz	Configurable 24...96
Gain	dB	>50
Output level	dBµV	85 Typ
Flatness	dB	± 0.75 @ 46MHz UB
Polarity discrimination	dB	>21
Phase noise	°rms	<1.8
GENERAL		
Power consumption (*Full channel load*)	mA	260@12.5V dynamic / 320@12.5 static
DiSEqC control		1.0 / 2.0 (EN50494 / EN50607)
Dimensions (xyz)	mm	125 x 55 x 105
Weight	g	235
IP protection index	IP	66

DESCRIPTION



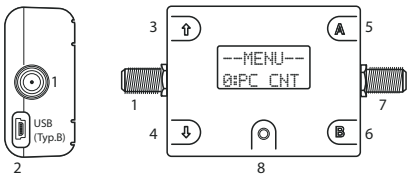
1 Sliding protective cover
2 Graduated offset feeder
3 F connector

Programmer Ref.723301

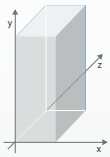
TECHNICAL SPECIFICATIONS

User band (UB)		1...24
UB centre frequency	MHz	950...2150
UB bandwidth	MHz	24...96
UB output level	dBµV	80...95
UB channels according to EN50494		1...8
UB channels according to EN50607		1...24
UB channels according to EN50494 & EN50607		1...8
UB pin		0...256
Configurations (memories)		5
GENERAL		
Power consumption	mA	35@5Vdc (USB)
dLNB max. current	mA	460
Dimensions (xyz)	mm	99.5 x 52 x 25
Weight	g	75
IP protection index	IP	20

DESCRIPTION



1 F connector to STB (or DC input)
2 USB for configuration upload
3 "Up" / "Back" button
4 "Down" button
5, 6 Not used
7 F connector to dLNB (DC output)
8 "Select" button



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