GeoSync

GK1LB Universal SINGLE LNB

Input Frequency Range	Low Band	10.7-11.7GHz
	High Band	11.7-12.75GHz
Input Feedhorn	Optimised for offset dish	40mm dia.
Output Frequency Range	Low Band	950-1950MHz
	High Band	1100-2150MHz
Output VSWR	Typical 950-2150MHz	2.5:1 Max
Output type / impedance	F-Connector female	75 Ohm
Local Oscillator Frequency	Low Band	9.75GHz
	High Band	10.6GHz
Local Oscillator Stability	Typical @ 25˚C	+/-0.001GHz
Phase Noise @	1kHz @ 25˚C	-60dBc/Hz
	10kHz @ 25˚C	-75dBc/Hz
	100kHz @ 25˚C	-90dBc/ Hz
Conversion Gain	Typical @ 25˚C	55-65dB
Gain Flatness	Typ. over any 27MHz Band	0.75dB
Noise Figure	Typical / Maximum	0.4dB / 0.8dB
Cross Polar Isolation	Typical	20dB
Image Reiection	Minimum	40dB
Current Consumption	Maximun	120mA
Operating Voltage and Control Signals	Ca Vertical	10.5-14.5VDC
	Cb Horizontal	15.5-21.0VDC
	Cc High ON/Low OFF	22kHz/0kHz

Declaration of Conformity

Hereby, GeoSync declares that this LNB for satellite broadcast reception in domestic premises conforms with the Radio Equipment Directive 2014/53/EU.

The full Declaration of Conformity is available by contacting the following internet address: www.geo-sync.co.uk/275831

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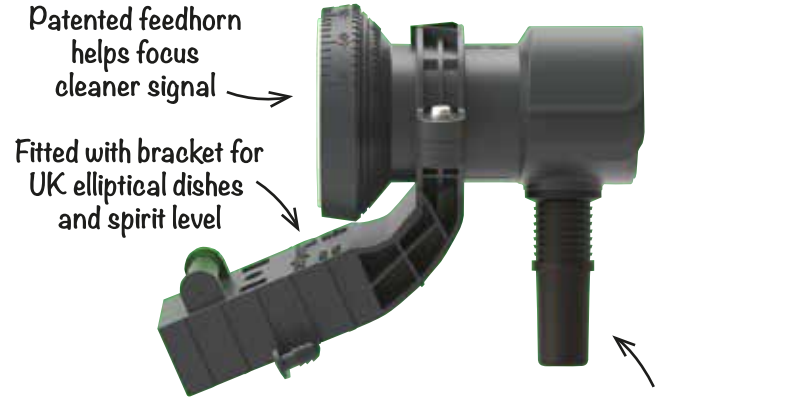


UNIVERSAL Ku BAND LNB | 1 OUTPUT | Mk 4 BRACKET | VERY LOW NOISE

The GK1LB is a Universal SINGLE LNB compatible with any satellite broadcasts using the Ku Band when connected to a standard or HD satellite receiver.

- **Fitted with a bracket for the popular Mk.4 elliptical dishes used in the UK**
- **Spirit level helps ensure that the dish is mounted correctly**
- **Large arrow on top of bracket helps align the LNB at the same skew angle as the satellite**
- **Patented feedhorn design improves signal focussi**
- **Weather-boot protects electrical connection from the elements**

PROFESSIONAL SIGNAL RECEPTION

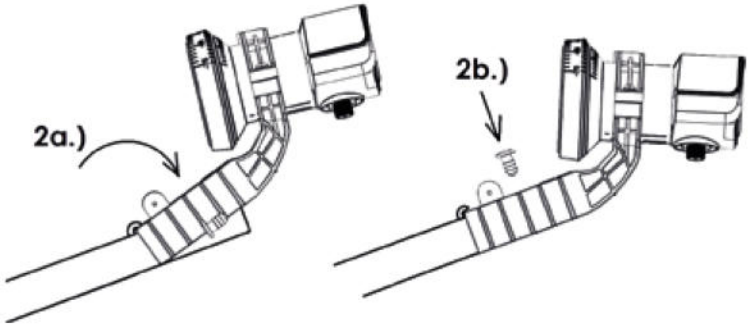
Introduction

The GK1LB Universal SINGLE LNB can be used to receive signals from one of many satellites broadcasting signals down to us in the Ku frequency band. With a single outlet it offers the best value solution if all you have is a single satellite receiver.

Installation – as easy as 1, 2, 3
This guidance is given for the replacement of an LNB on a Mk.4 elliptical dish, the most popular type in the UK and assumes that the dish is correctly aligned. If you have a different type of dish, it should be supplied with a 40mm dia. LNB bracket which is compatible with the neck on GeoSync LNB's.

1. If you are trying to receive Sky™ or Freesat™ refer to the map opposite and align the bracket on the LNB at the appropriate angle, then tighten it securely.

2. Having removed the old LNB slot the bracket onto the satellite dish arm and secure it in place with the split pin.



3. Slide the weather-boot onto the cable and then connect it to the outlet. Having checked that the signal is OK pull the weather-boot up into position to protect the connection

Dish Alignment

If you are fitting and aligning a new dish you can find more guide maps on our website www.geo-sync.co.uk

To help you align your LNB with either Sky™ or Freesat™ from the UK you will need to point the arrow on the bracket in the range -10 to -20 degrees indicated on the neck of the LNB