

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	-55dBc/Hz
	10kHz @ 25°C	-80dBc/Hz
	100kHz @ 25°C	-100dBc/ 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 Rejection	Typical	40dB
Current Consumption	Maximum	200mA
Operating Voltage and Control Signals	Ca Vertical	10.5-14.5VDC
	Cb Horizontal	15.5-21.0VDC
	Cc High ON/Low OFF	22kHz/0kHz

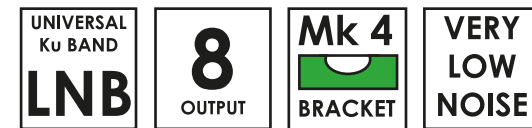
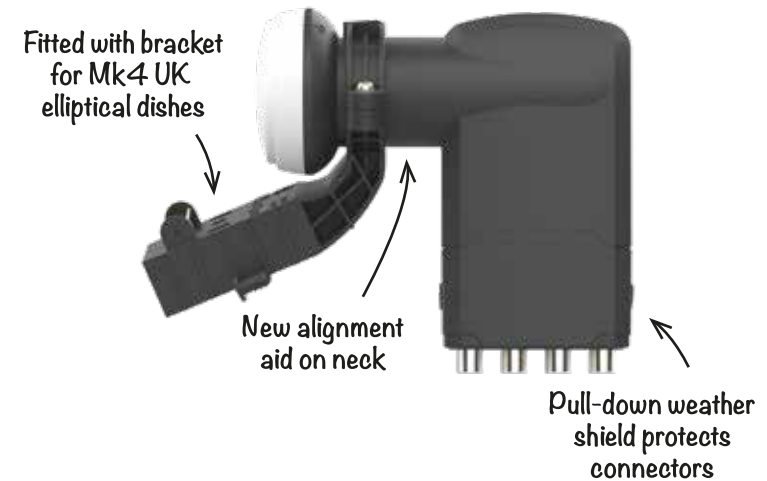
## Declaration of Conformity

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/210602](http://www.geo-sync.co.uk/210602)



## GK8LB Universal OCTO LNB



The GK8LB is a Universal OCTO LNB compatible with any satellite broadcasts using the Ku Band when connected to a standard satellite receiver with universal switching

- 8 outputs allow you to feed signals to 8 satellite receivers or 4 receivers with built-in recorders (PVR's) or a mix of both
- 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 helps align the LNB at the same skew angle as the satellite
- Rib on LNB neck helps position the LNB at the focal point of the dish
- Weather shield protects electrical connections

## 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](http://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

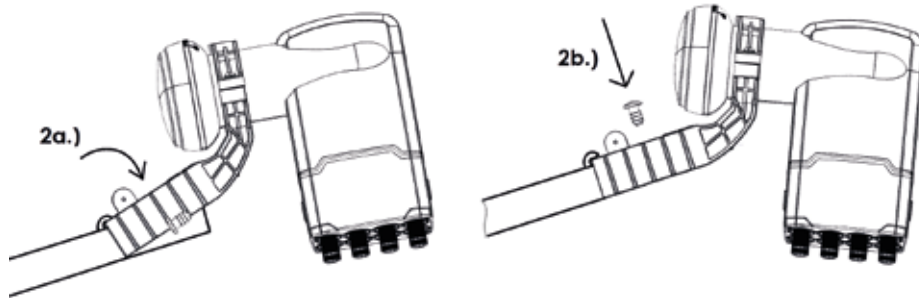
## Introduction

The GK8LB Universal OCTO LNB can be used to receive signals from one of many satellites broadcasting signals in the Ku band down to us. The 8 outlets can feed 8 standard satellite receivers or 4 PVR's or a mix of the two.

Installation – as easy as 1, 2, 3

This guidance is given for the replacement of an LNB on the Mk.4, Zone 1 or 2 elliptical dishes which are popular 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 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. Connect each of the coax cables to the outlets on your new LNB and pull down the weather shield

