

Azbox HD Premium Plus – LNB Configuration

The Azbox HD Premium Plus allows you to configure your TWIN DVB-S2 tuners into 3 modes.

To change the mode press the Home button, select:
11. Settings → TV Channel → Tuner A. DVB-S
and press the left or right arrow to change mode.

Mode 1: Separated (default mode)

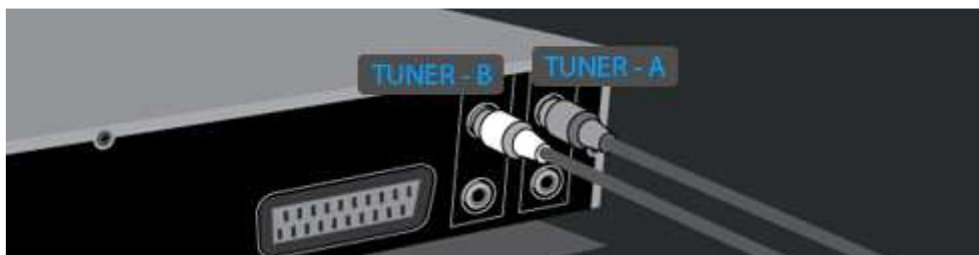


In this configuration both tuners are completely separated, meaning that you manually need to configure and scan for each tuner.

You typically need to use this configuration, when you receive totally different satellites on each tuner.

Your channel list will clearly mention Tuner-A and Tuner-B close to the different channel names.

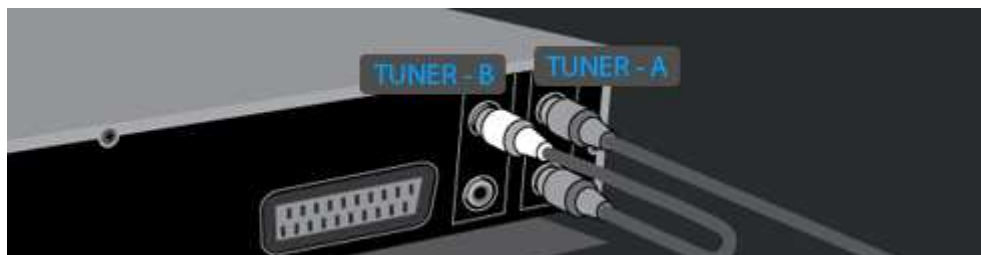
Mode 2: TWIN



In this configuration you receive exactly the same satellites with the same antennas configuration but on 2 separated cables. For example you have a Monoblock LNB with multiple exits, or you have an external DiseqC switch with multiple exits.

In this setup the Azbox automatically handles the switch from tuner-A to tuner-B when needed. For example you start recording a TV program you can zap and the Azbox will switch to tuner-B for you. It is transparent for you.

Mode 3: Loop through





In this configuration you have only one cable that come from your LNB (Antenna) to your Azbox and you loop through both tuner (Out of tuner-A is connected to In of Tuner-B). In this setup, the Azbox handles both tuners (so you don't have to care about tuner-A or B) but it has disadvantages.

The LNB way of working can be summarize in the table below:

	Vertical	Horizontal
Low Bandwidth	V/Low	H/Low
High Bandwidth	V/High	H/High

With the loop through mode you are stuck into one of the cell of the table above. For example if you look at a channel in **High Bandwidth** on **Vertical polarity** you can only watch channels with the same characteristic on the same satellite.

So this method is quite restrictive but most of the TV providers (packages) try to keep all their channels in the same, bandwidth/polarity to allow you to use the loop through mode.

Azbox will show you to which channels you can zap by keeping the icon highlighted:  otherwise the satellite icon will be greyed out: 

References:

http://en.wikipedia.org/wiki/Low-noise_block_converter

<http://www.lyngsat.com/>