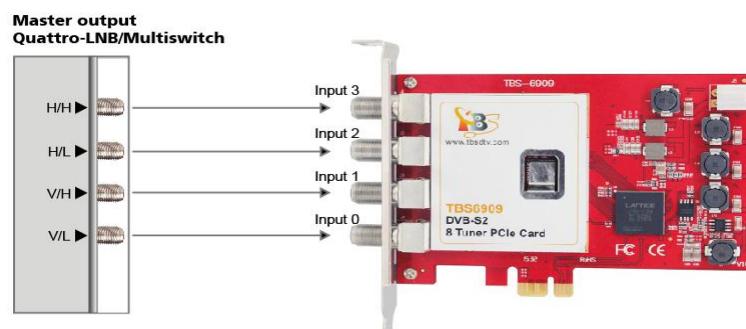


Dear Customer,

Thanks for using TBS6909! TBS6909 is a powerful DVB-S/S2 octa tuner card, and there is some information you need to know before using.

- a. TBS6909 has 8 Tuners & Demodulators, but it only has 4 inputs, because it has a multiswitch inside, defining 4 inputs to receive 4 single polarity signals (Input0=VL; Input 1=VH; Input 2=HL;Input3=HH). Below is the wiring diagram:



When you lock a TPs, the Tuner will automatically select an appropriate input. For example (Notes: adapter0 ~ adapter 7 are the 8 tuners of tbs6909):

-lock VH frequency to adapter0, adapter1, adapter2, adapter3 and adapter4, then the driver will create virtual and dynamic links between those 5 adapters of the Linux kernel and 5 of the demodulator cores of TBS6909 will route them all to Input1. That means in this case 5 of the TBS 6909 demodulator cores will take the signal from the tuner attached to the Input1.

- lock HL frequency to adapter5, then the 6th demodulator core of TBS6909 will be virtually and dynamically connected to adapter5 by the driver and the core itself will take signal from the tuner attached to Input2

- lock HH frequency to adapter6 and adapter7, then rest 2 demodulator cores of TBS6909 will be virtually and dynamically connected respectively to adapter6 and adapter7 by the driver and the cores itself will take signal from the tuner attached to Input3

- b. When you lock DVB-S2 TPs, you need to set the modulation, but this setting is not necessary for DVB-S. For example, if you use dvblast to lock a DVB-S2 TPs, you need to add the command `-m psk_8`.

Best Regards,

TBS Support Team

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