

Dear Customer,

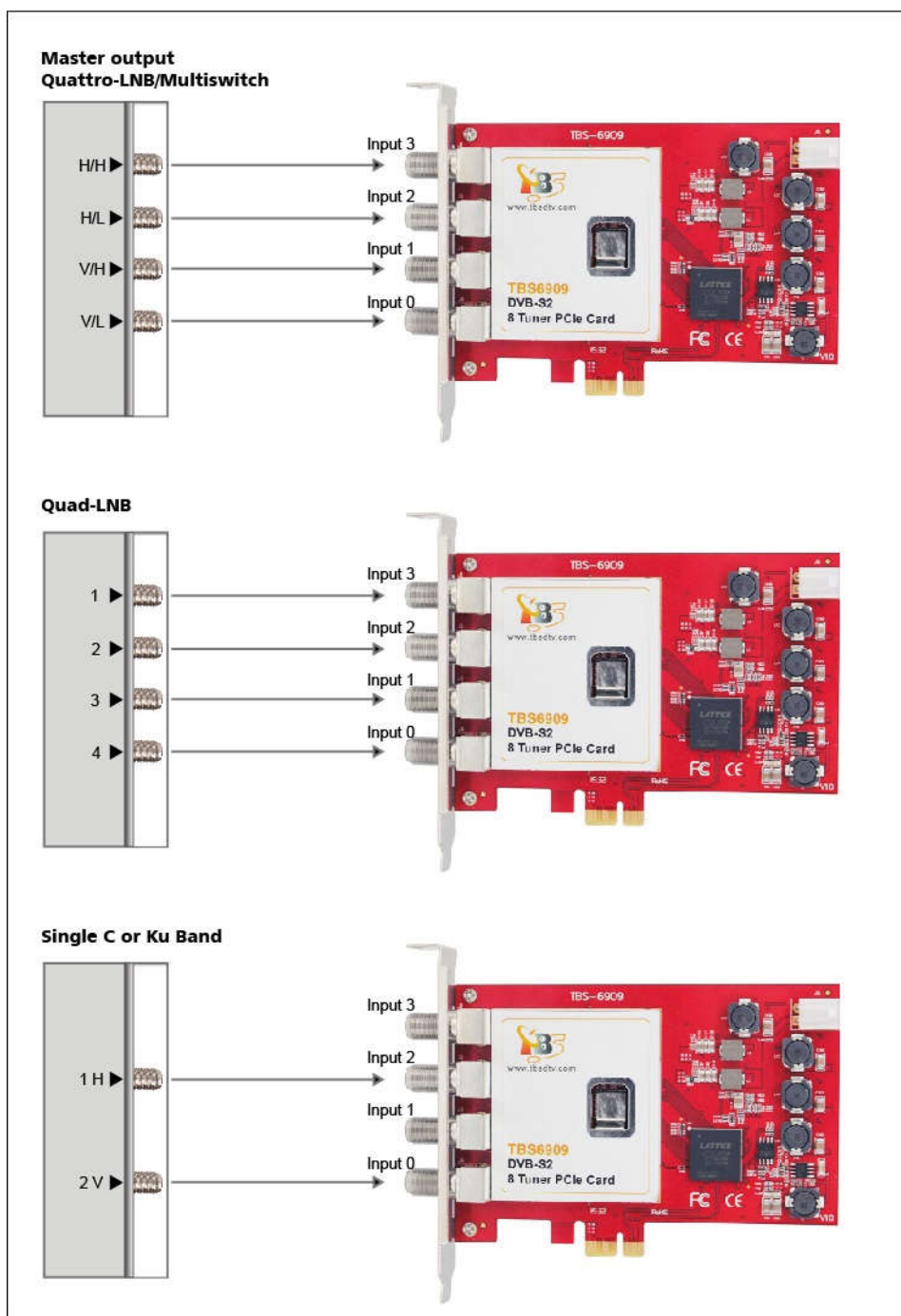
Thanks for using TBS6909, TBS6909 is a powerful DVB-S/S2 octa tuner card, and there is some information you need to know before using.

There are three ways of signal input for TBS6909.

Default mode is multiswitch mode. The signal input can be like this:

Multiswitch mode: (Mode 1)

Mode 1



If you are using quattro LNB, you have 4 cables (V/L,V/H,H/L,H/H), connect the right one to TBS6909 like the above picture (input 0- input 3 should be connected to V/L,V/H,H/L,H/H respectively).

If you are using quad LNB, you can directly connect the 4 cables to the 4 ports of TBS6909.

If you are using single C or Ku band, then two inputs are enough, you just need to connect the cables to input 0 and input 2 to provide V and H signal.

When you are using TBS6909, please note that TBS6909 has 8 Tuners & Demodulators, but 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).

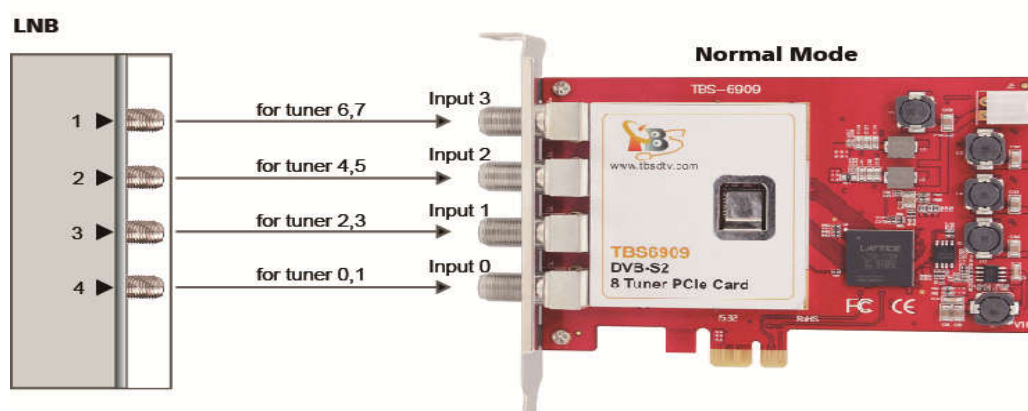
If you want to lock TPs, the Tuner will automatically select an appropriate input. For example (Notes: adapter0 ~ adapter 7 are the 8 tuners of tbs6909):

-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 the 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

Normal mode:(Mode 0)



If you want to use **DiSEqC** with TBS6909,you need to change the mode to normal mode, one

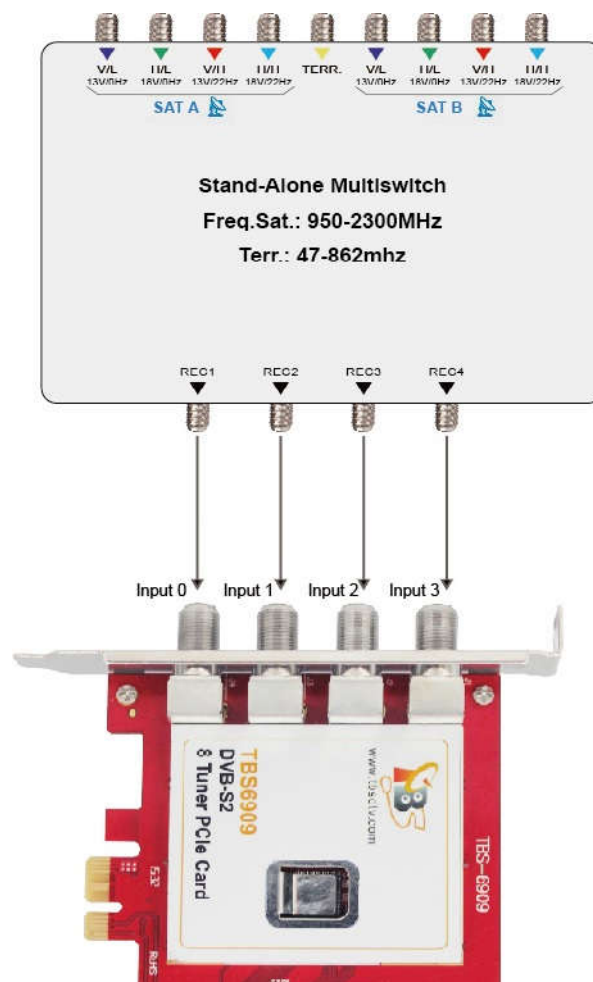
input for two tuners ,**the two tuners use the same satellite signal and polarization**, you can do like this:

create text file "/etc/modprobe.d/tbs.conf" with line:

options tbs_pcie-dvb tbs6909_mode=0

after create this file restart your PC to load the new configuration.

DiSEqC to Multiswitch mode: (Mode 2)



In some case multiswitch have more than one satellite input, need to choose the satellite first, then you can use this mode .Noticed that the Satellite will be selected when first DiSEqC command send ,and cannot be changed any more , if you want to change the Satellite port you need to restart your PC and send the new DiSEqC.

You can do like this:

create text file "/etc/modprobe.d/tbs.conf" with line:

options tbs_pcie-dvb tbs6909_mode=2

after create this file restart your PC to load the new configuration.

When you lock DVB-S2 TPs, you need to set the modulation, but this setting is not necessary for DVB-S. Some example

For dvblast:

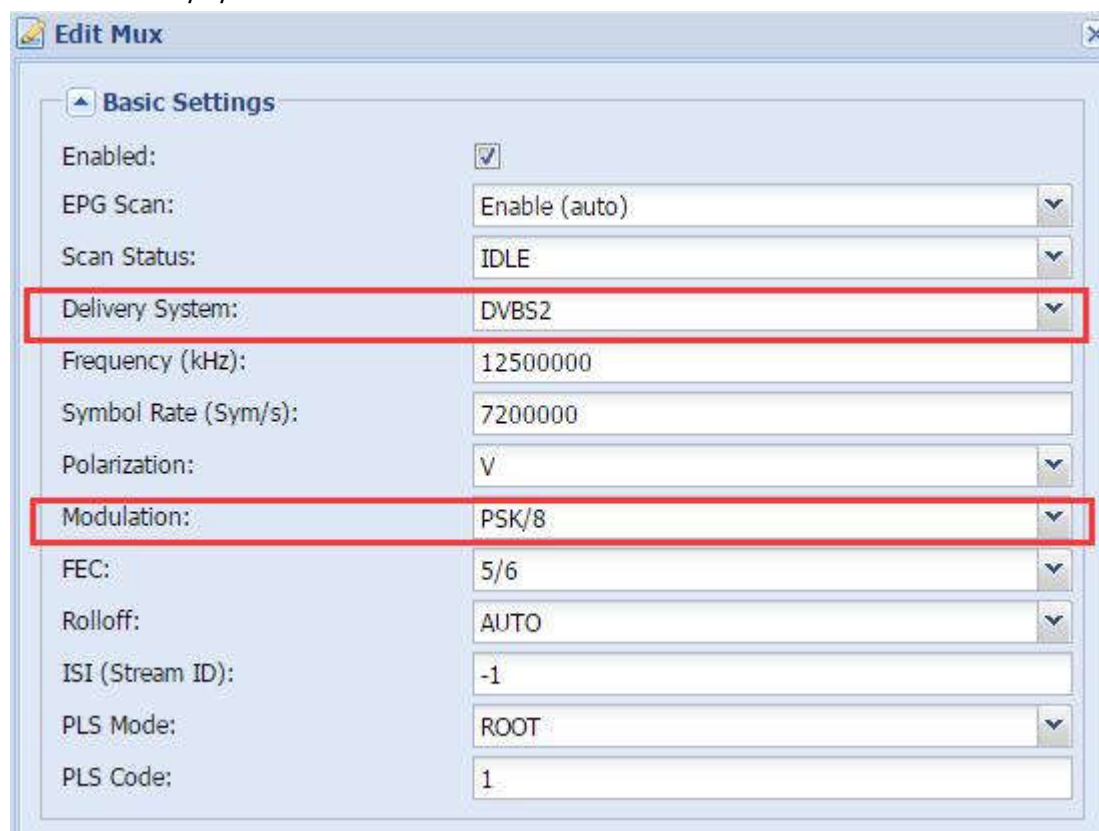
```
dvblast -f 10988000 -s 41250000 -v 13 -m psk_8 -a 0
```

For mumudvb config:

```
#DVB-S  
card=2  
freq=12648  
srate=29500  
pol=V  
coderate=auto  
common_port=1234  
autoconfiguration=full  
modulation =8PSK
```

For Tvheadend:

Set the "Delivery System" to DVBS2 and Modulation.



Any more question please send email to our support at support@tbsdtv.com .

Best Regards,

TBS Support Team

Email: support@tbsdtv.com

Website: www.tbsdtv.com