

# Thanks for buying DMS Internationals BSC621 C/Ku LNBF



You should have the following parts in addition to the main body of the BSC621 C/Ku LNBF.

1. The Scalar Ring, used to mount the BSC621 to your dish. You will notice it has holes that allow you to use 4 support arms or 3 support arms depending on your dish. There is a package of bolts that mount the dish arms to the scalar ring. It includes the bolt that mounts the BSC621 to the scalar ring.
2. The di-electric plate is used for circular signals. It converts your linear polarity to circular.
3. The Coax Jumper is used to connect the Ku part of the BSC621 to the switching device located on the side of the BSC621.



This diagram shows how to connect the Ku and C-band so it can be delivered down one coax.

Looking at the diagram, you will see the Ku connection is at the end of the BSC621. Using the Coax Jumper, connect it to the port marked "LNB" on the side of the BSC621. Connect the coax that delivers signal to your receiver to the remaining port, marked "RCV".

The band switching is accomplished by 22KHz sent from your receiver. Setting your receiver 22KHz to "0" will give you C-band, and setting your receiver 22KHz to "22KHz" will give you Ku-band.

Properly installing the LNBF on your dish is critical. After attaching the scalar ring to your support arms, you should confirm

that it is pointing to the center of your dish. One way to do this is to measure from the edge of your dish to the edge of the scalar ring in several places around your dish. These measurements should be the same. If not, your feed is not pointing to the center of your dish and will not perform as intended.

After finding a signal, turn the LNBF to find the best polarity performance. Do this on both polarities. Carefully move the LNBF toward the dish and away from the dish to find the best operating distance.

After finding the best possible performance tighten the set screw to hold the LNBF in place.

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**The BSC621 has the ability to receive circular polarized signals.**



Remove the end cap from the LNBF.



Insert the di-electric plate in the throat guides. Replace the end cap.