



Model: DMX741U Installation Manual

Digital C & Ku 13V/18V LNBF with Universal Ku

Congratulations on purchasing a new WS International DMX741U CKU band LNBF. This LNBF is compatible with your standard Free To Air satellite receiver but NOT your 4DTV C band receiver. If you want a CKu band LNBF with Standard Ku, please check out our DMX741.

Your new LNBF should include the following:

- **Hardware Pack** — Used to attach the CKu LNBF to the scalar ring and to attach the scalar ring to the LNBF support arms of your satellite dish antenna.
- **Scalar Ring** — This is used to hold the LNBF on the satellite dish (when using a prime focus dish) and to concentrate the signal into the LNBF.
- **Coaxial Jumper** — This is used to connect the Ku portion of your LNBF to the built in 22KHz switch on the side of the LNBF
- **Main CKu LNBF** — This is your main C and Ku band LNBF. The end connector is your Ku band portion and the side connector marked "LNB" is C band.
- **Dielectric Plate** — Is inserted inside the waveguide of the LNBF to pickup circular polarizations. *Please note, you will loose your ability to receive linear polarization while the dielectric plate remains in the waveguide.*

Installing your new DMX LNBF:

1. Attach the scalar ring to your prime focus satellite dish using the nuts and bolts supplied. Note, the scalar ring has multiple holes to fit either a 3 arm or 4 arm prime focus dish.
2. Insert the LNBF into the scalar ring and tighten the bolts very little so it's held in the scalar ring.
3. Decide how you want to wire up your new DMX LNBF. These are your options:

Option	Description	Resolution
Ku Only	Receive only Ku signal	Connect your receiver to the end piece of the DMX LNBF
C Only	Receive only C signal	Connect your receiver to the side "LNB" port of the DMX LNBF
C/Ku 1-Coaxial	Receive both C and Ku via 1 coaxial cable using the built in switch	Using the supplied jumper, connect the end piece connector to the "LNB" port and connect your receiver to the "RCV" port of the DMX LNBF
C/Ku Separate Coaxial	Receive both C and Ku with your 4DTV receiver or external switch	Run cable from end piece of the DMX LNBF for Ku reception and run cable to the side port marked as "LNB" for C band reception.

4. Turn the LNBF so that the "0" degree polarity mark is at 12 O' clock or 6 O' clock. This is your "0" zero position.

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5. Adjust your polarity on the LNBF for the particular satellite you want to lock. Lock your satellite signal in.
6. After receiving your signal, adjust the LNBF clockwise or counter-clockwise until you get the highest possible signal level and quality both on Horizontal/Vertical, or Right Circular/Left Circular
7. Once you have your polarity configured properly, start moving the LNBF towards and away from the dish until you see the highest possible signal. Then tighten the bolts that hold the LNBF to the scalar ring.

**Congratulations, You have just installed your
new DMX LNBF**



The DMX741U uses DiSEqC switching to switch between the C band and Ku band side. The C band portion is connected to the "A" or "1" port of the switch and the Ku band is connected to "B" or "2" port of the switch.

Did you know that the WS International DMX series of C band, Ku band and CKu band LNBFs are the best quality LNBFs on the market and are manufactured by WS International, the most recognized name in the satellite telecommunications industry. We design, develop and manufacture most of the products we sell. If you need to private label your own products and manufacture them, let WS International help. Our R&D team along with our engineers are experienced in this industry and where everybody else fail, we can make it happen. Please contact us for any information in regards to any of our products.

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