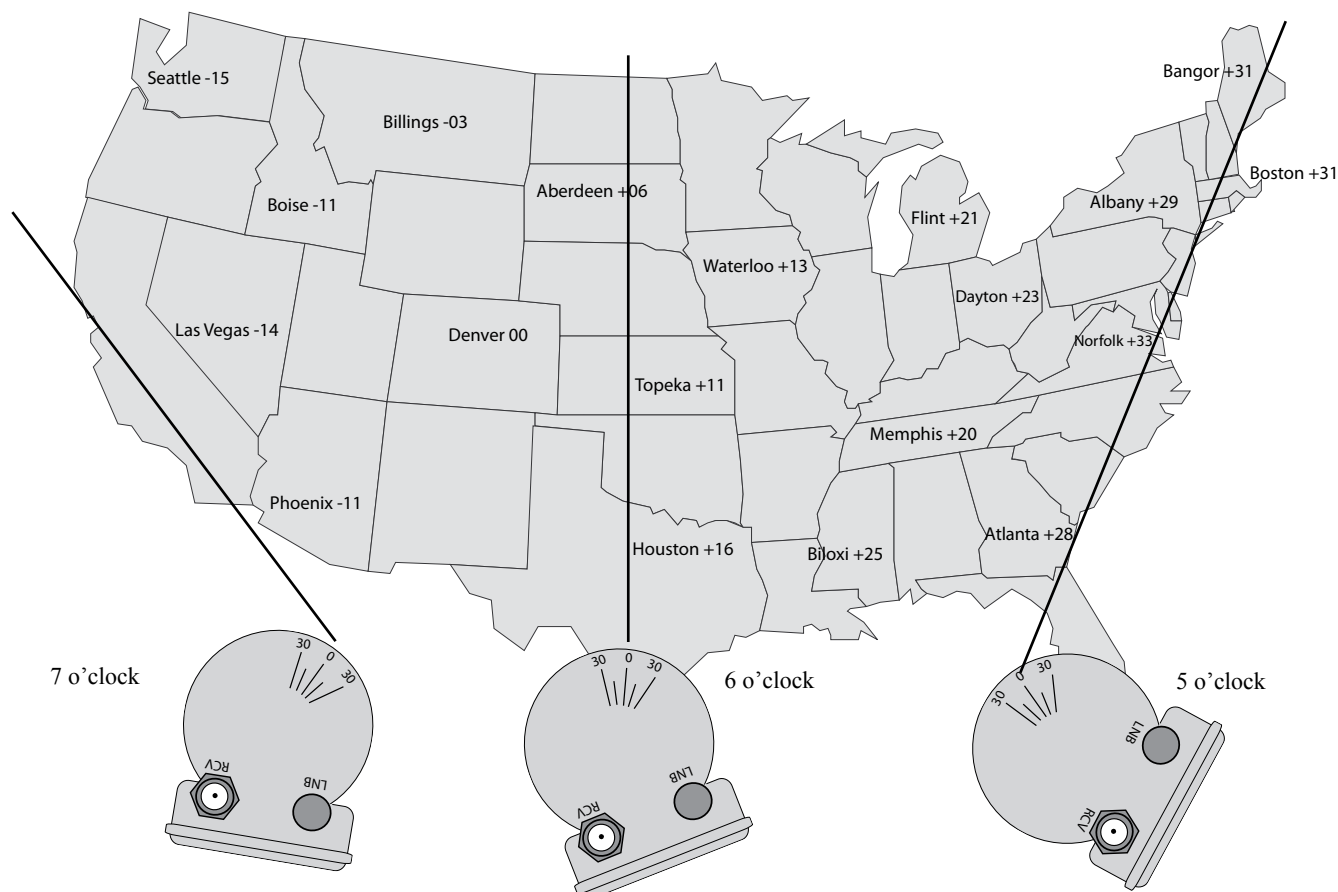


Installing Your 13° LNBF

Adjust your LNBF based on your location. You will need to make fine tuning adjustments based on your location to optimize your signal strength. We have added sample settings below for various areas based on satellite W5. Settings for other satellites will vary.



You will need to set your F/D Ratio per your dish specifications. If you do not know your specifications, use the equation shown below.

To calculate the focal distance, you have to measure the diameter (D) and the depth (d) of the dish. Measurements should be in like units (you can't use feet for the diameter and inches for depth). For the example, we will say we have a dish that is 120 inches in diameter (D) and 18 inches deep (d).

Focal distance (F) equals the diameter squared (D x D) divided by 16 times the depth (16 x d) or :

$$D \times D = 120 \times 120 = 14400$$

$$16 \times d = 16 \times 18 = 288$$

$$D \times D / 16 \times d = 14400 / 288 = 50$$

$$\text{focal distance } f = 50 \text{ inches}$$

After you have calculated the focal distance (f), you can use that figure to calculate the F/D ratio of your dish. In this case, using the same diameter (D) = 120; and the calculated focal distance (F) = 50

$$F / D = 50 / 120 = .416$$

$$F / D = .416 \text{ which you would round up to give you a setting of } .42$$