

## [Z]-17 CARBON

### Manual and Usage Guide (REZ-Z-17CF-AR)

Parameter	Specification
Material	Carbon fiber
Color	Navy Blue
Sections	10
Collapsed Length	25.4 in (64.5 cm)
Extended Length	17 ft (201.6 in / 512 cm)
Base Thread	M10 × 1.0 female
Included Adapter	M10 x 1.0 male to 3/8-24 Male
Weight (without adapter)	7.55 oz (214 g)
Weight (with adapter)	8.39 oz (238 g)
Power Rating	300 watts PEP, 100 watts digital (50% duty cycle)

***PLEASE NOTE: The [Z]-17 Carbon is designed to be operated fully extended. Band coverage is achieved using matching units or loading coils rather than adjusting whip length.***

### Usage Precautions

1. Always extend from the top (thinnest section) first. Extend each section in order from smallest to largest to ensure smooth operation and prevent damage.
2. Ensure each section is fully extended and properly seated before use. This ensures structural stability and proper electrical continuity.
3. Retract the antenna in reverse order, starting from the base (thickest section). Retract one section at a time. Do not force sections closed from the top.
4. Avoid excessive lateral pressure or bending. Carbon fiber is extremely strong but is not designed to withstand excessive side loading.
5. Do not use near high-voltage power lines or during thunderstorms. This antenna conducts electricity and contact with power lines may result in serious injury or death.
6. Retract the antenna before transporting or moving the system. Do not walk or operate while the antenna is extended.
7. If a section becomes stuck, do not use excessive force. Gently twist and push while using a cloth for grip if necessary.
8. Clean periodically after outdoor use. Dust, sand, or debris may affect proper operation. Use a soft cloth or alcohol wipe if needed.

### Antenna Usage Notes

The [Z]-17 Carbon serves as the radiating element of an antenna system. At its full 17 ft length, it is naturally resonant near the 20 meter band. For operation on additional bands, use an appropriate loading coil, matching unit, or antenna tuner.

The [Z]-17 Carbon is designed to be operated fully extended. Partial extension is not intended for frequency tuning. Always use matching devices or loading coils to achieve proper resonance and efficient operation.