



## RET Product Overview

### RET Technology

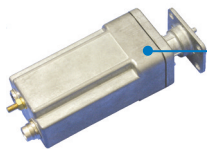
Amphenol Antenna Solutions offers a complete range of AISG compliant antennas and accessories for Remote Electrical Tilt (RET) operations. Network engineers can make electrical downtilt adjustments quickly and easily without disrupting service and without having to pay for expensive tower climbs. Amphenol Antenna Solutions is proud to be at the forefront of RET Technology and was responsible for gathering the industry together to form the Antenna Interface Standards Group (AISG). This group has worked together to develop an open communications standard for remote control of basestation antennas and mast head amplifiers. All Amphenol Antenna Solutions Remote Electrical Tilt antennas are compliant with the AISG standard.

Amphenol Antenna Solutions' Mechanical Electrical Tilt (MET) antennas can be upgraded to Remote Electrical Tilt (RET) antennas with the addition of the appropriate RET unit. Two different RET configurations are available depending on the antenna type and on your specific site requirements:



#### Internal RET

Internal "cassette style" RET's are installed inside the antenna structure and are not visible after installation. This style construction often results in a slightly longer antenna, but one with no external features to be damaged during installation or to impede RF connector weatherproofing.



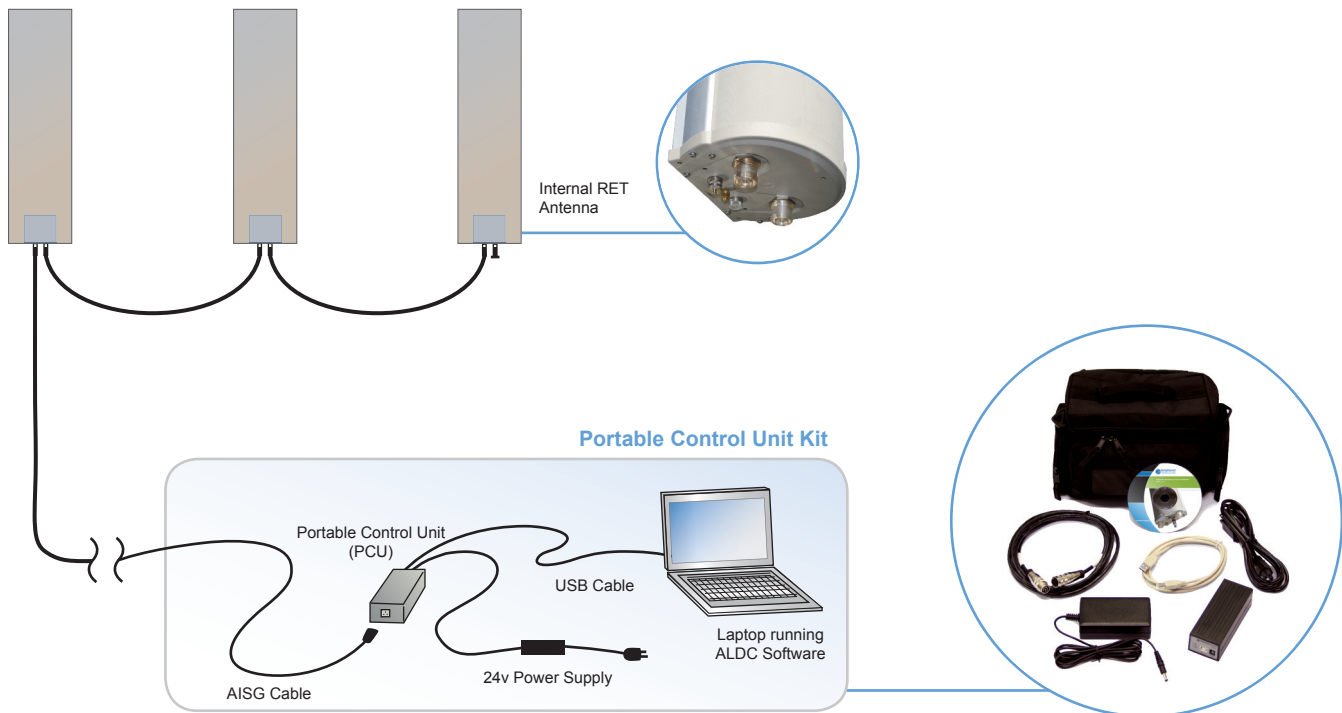
#### External RET

External RET's extend beyond the bottom of the antenna structure and are not typically considered part of the antenna length by zoning officials. With this style RET, 100% of the antenna aperture is dedicated to radiating elements providing higher gain for a given antenna size.

Multiple RET antennas can be daisy chained together and controlled at the base of the tower via a single data feed cable. For applications where running the additional control cable is not feasible, Amphenol Antenna Solutions offers an assortment of AISG Modems to inject the control signals onto an existing RF feed cable. Electrical downtilt of antennas can be controlled at the site using Amphenol Antenna Solutions' Portable Control Unit (PCU) kit and a standard laptop computer to run the Antenna Line Device Control software provided.

For more information on Remote Electrical Tilt products, please contact Amphenol Antenna Solutions sales and customer service.

### RET Site Configuration



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.