

Using Teletilt[®] RET Actuators with OEM Base Station Embedded Controllers

Andrew Teletilt RET actuators can be controlled by a number of OEM controllers. The following is an overview as to which actuator model or antenna part number suffix should be selected when controlling Teletilt actuators with an OEM RET controller. For any further requirements of an OEM base station embedded controller, please contact the appropriate OEM.

NOTE: The latest actuator firmware version is required to ensure proper functionality with the OEM controller and it is automatically applied to actuators by the latest Andrew controller software when the actuators are pre-tested on the ground before installation. Therefore please make sure to always use the latest controller software, always pre-test actuators before installation, and also verify that the installed actuator firmware matches with the required actuator firmware as listed below.

Ericsson (Proprietary)

Controller Protocol:	Ericsson Proprietary Protocol
Andrew Actuator:	E-ATM300
Andrew Antennas:	-ExM (x referring to the number of actuators)
Antenna Definition File*:	Andrew
Controller to pre-configure actuator**:	ATC200-LITE-USB
SW to pre-configure actuator***:	E-ATM300 Field Configuration Tool (EFCT)
Required actuator firmware***:	2.0.16 or higher

Ericsson (AISG 2.0 Node B)

Controller Protocol:	3GPP/AISG 2.0
Andrew Actuator:	ATM200-A20
Andrew Antennas:	-AxM (x referring to the number of actuators)
Antenna Definition File*:	Andrew
Controller to pre-configure actuator**:	ATC200-LITE-USB
SW to pre-configure actuator***:	ATC Lite (Version 6.0 or later)
Required actuator firmware***:	2.0.20 or higher

Huawei (AISG 1.1/2.0 Node B)

Controller Protocol:	AISG 1.1/2.0
Andrew Actuator:	ATM200-002
Andrew Antennas:	-R2M
Antenna Definition File*:	Huawei
Controller to pre-configure actuator**:	ATC200-LITE-USB
SW to pre-configure actuator***:	ATC Lite (Version 6.0 or later)
Required actuator firmware***:	2.0.20 or higher. 90c.79 or higher (for legacy actuators).

NSN (Nokia-Siemens) – Flexi RET

Controller Protocol:	3GPP/AISG 2.0
Andrew Actuator:	ATM200-A20
Andrew Antennas:	-AxM (x referring to the number of actuators)
Antenna Definition File*:	Nokia Siemens Networks (NSN) Flexi RET
Controller to pre-configure actuator**:	ATC200-LITE-USB
SW to pre-configure actuator***:	ATC Lite (Version 6.0 or later)
Required actuator firmware***:	2.0.20 or higher

*All Antenna Definition Files are available at:

http://www.commscope.com/andrew/eng/product/antennas/bsa/teletilt/1205644_13424.html

** For antennas supplied with factory-fit actuators, there is no pre-configuration of the actuator required.

*** Andrew recommends using the latest version of software and firmware available at:

http://www.commscope.com/andrew/eng/product/antennas/bsa/teletilt/1207998_13424.html

Visit our Web site at www.commscope.com/andrew or contact your local Andrew Solutions representative for more information.

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