

Using CommScope RET Actuators with OEM Base Station Embedded Controllers

CommScope 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 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 CommScope 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
CommScope Actuator	E-ATM300, AccuRET
CommScope Antennas.	-ExM (x referring to the number of actuators)
Antenna Definition File*	CommScope
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
CommScope Actuator	ATM200-A20, AccuRET, Internal
CommScope Antennas.	-AxM (x referring to the number of actuators)
Antenna Definition File*	CommScope
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
CommScope Actuator	ATM200-002, AccuRET, Internal
CommScope 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
CommScope Actuator	ATM200-A20, AccuRET, Internal
CommScope 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 and the listing of the latest version software and firmware are available at: <http://www.commscope.com/Resources/Software/>

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

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