


RCATS Auxiliary Mobile Platform Quick Start Guide

Introduction

The RCATS Auxiliary Mobile Platform (AMP) connects to XScale probes via USB to allow use of new devices, including some handsets. This allows the user to extend the testing capabilities of the probe.

 *Note:* A probe can control only three cell phone modules at any time—including any connected AMPs.

AMPs are installed in racks that can hold and provide power for up to three AMPs. The AMP Power indicator illuminates when power is applied and the AMP Mobile indicator illuminates when it in use.

Figure 1. AMP in Rack



Installation and Usage

Follow the steps in Table 1 to install an AMP into your RCATS system.

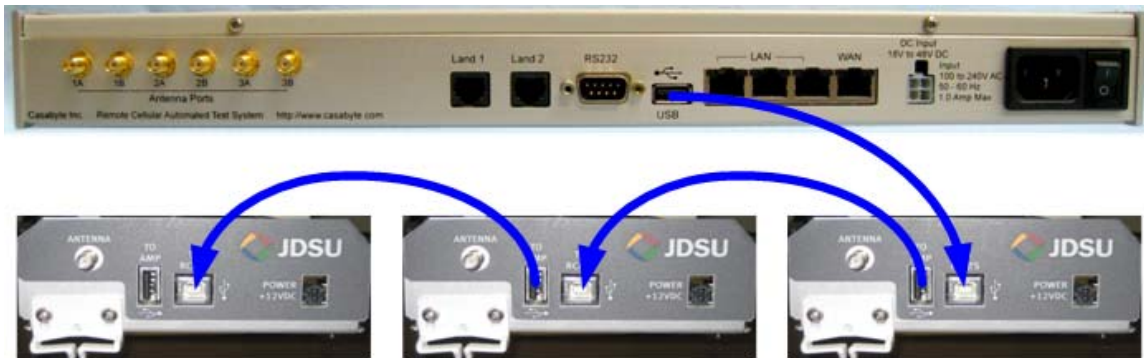
Table 1. AMP Installation

Step	Action	Result
1.	Shut down power to the probe.	—
2.	Install AMP into rack.	—
a.	If applicable, connect antenna to AMP.	<i>Note:</i> See Figure 2.
b.	Plug power source into AMP.	<i>Note:</i> See Figure 2.
c.	Connect the "USB" connection on the back of probe to the "TO RCATS" connection on the back of the AMP using a USB cable.	<i>Note:</i> See Figure 3
d.	If more than one AMP is to be attached to the probe, daisy-chain the AMPs by connecting the "TO AMP" connection on the back of an installed AMP to the "TO RCATS" connection on the back of next the AMP in the chain using a USB cable.	<i>Note:</i> See Figure 3.
3.	Apply power to the probe.	Probe firmware 7.0.9.x and higher will automatically detect the AMP.

Figure 2. AMP (back)




Figure 3. Daisy-chaining AMPs



Modules in a probe use letter designations to facilitate testing. When AMPs are attached to the probe, they assume the letter designations of modules depending on (1) how many modules are in the probe they are attached to and (2) how many AMPs are connected to the probe. Letter designations are shown in Table 2.

Table 2. Identifying AMP Letter Designations

# of Modules in Probe	# of AMPs Connected to Probe	First AMP Letter Designation	Second AMP Letter Designation	Third AMP Letter Designation
3	1, 2, or 3	E	B	A
2	1, 2, or 3	E	B	A
1	1	B	—	—
	2	E	B	—
	3	E	B	A
0	1	A	—	—
	2	B	A	—
	3	E	B	A

 *Note:* When an AMP assumes a letter designation, the internal module with that letter designation is deactivated automatically.

Removal

Follow the steps in Table 3 to remove an AMP from your RCATS system.

Table 3. AMP Removal

Step	Action	Result
1.	Shut down power to the probe.	—
2.	Disconnect power, antenna, and USB connections to AMP.	—
3.	Apply power to the probe	Probe automatically reactivates the internal module of the letter designation that the AMP had assumed per Table 2.

FCC Compliance

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference and 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Contacting JDSU

If you need technical support, please contact JDSU RCATS Support:

- E-mail—rcatssupport@jdsu.com
- Phone:
 - Local—425-254-9925 (7–5, Mon–Fri, Pacific Time)
 - Toll Free—888-352-9527 option 2 (any time)