Wi-Fi Adapter and HMI Software Quick Start Guide

⚠ DANGER
This Quick Start Guide is not a replacement for adequate training and safety procedures for the Micro-AT Source-Transfer Control and the equipment into which it is installed. Read S&C Instruction Sheets 515-530 and 515-535 and the installation sheets for the equipment into which the Micro-AT Source-Transfer Control is installed thoroughly and carefully before using this Quick Start Guide and installing the Wi-Fi Adapter to the Micro-AT control. Failure to have adequate training and an understanding of these instructions will lead to serious injury or death.

⚠ WARNING
The Micro-AT Source-Transfer Control must be installed, operated, and maintained by qualified persons knowledgeable in underground electric power distribution equipment and the associated hazards. For more information on the requirements of a qualified person, see the "Introduction" section of S&C Instruction Sheet 515-530. These instructions are not intended to be a substitute for adequate training in safety procedures for this type of equipment.

This quick start guide instructs users on how to charge the Micro-AT control Wi-Fi adapter and install the HMI application software. The instructions outlined in this document must be followed prior to installing and operating the Wi-Fi adapter in the field. For operational use of the Wi-Fi adapter and the HMI application, refer to S&C Instruction Sheet 515-535. Contact the S&C Global Support and Monitoring Center at (888) 762-1100 with any questions or troubleshooting issues.

Components

Wi-Fi Adapter Kit Components

The Wi-Fi Adapter Kit enables Wi-Fi connection to the 64-bit Microsoft Windows® 7 or 10 operation system platform. The following items, as shown in Figure 1, are included in the Wi-Fi Adapter Kit:

1. A Wi-Fi adapter
2. A USB-serial cable (This cable will be used when connecting the adapter to the Micro-AT control. See Instruction Sheet 515-535.)
3. A micro-USB charging cable
4. An RJ45-to-DB9 connector (This connector will be used when connecting the adapter to the Micro-AT control. See Instruction Sheet 515-535.)
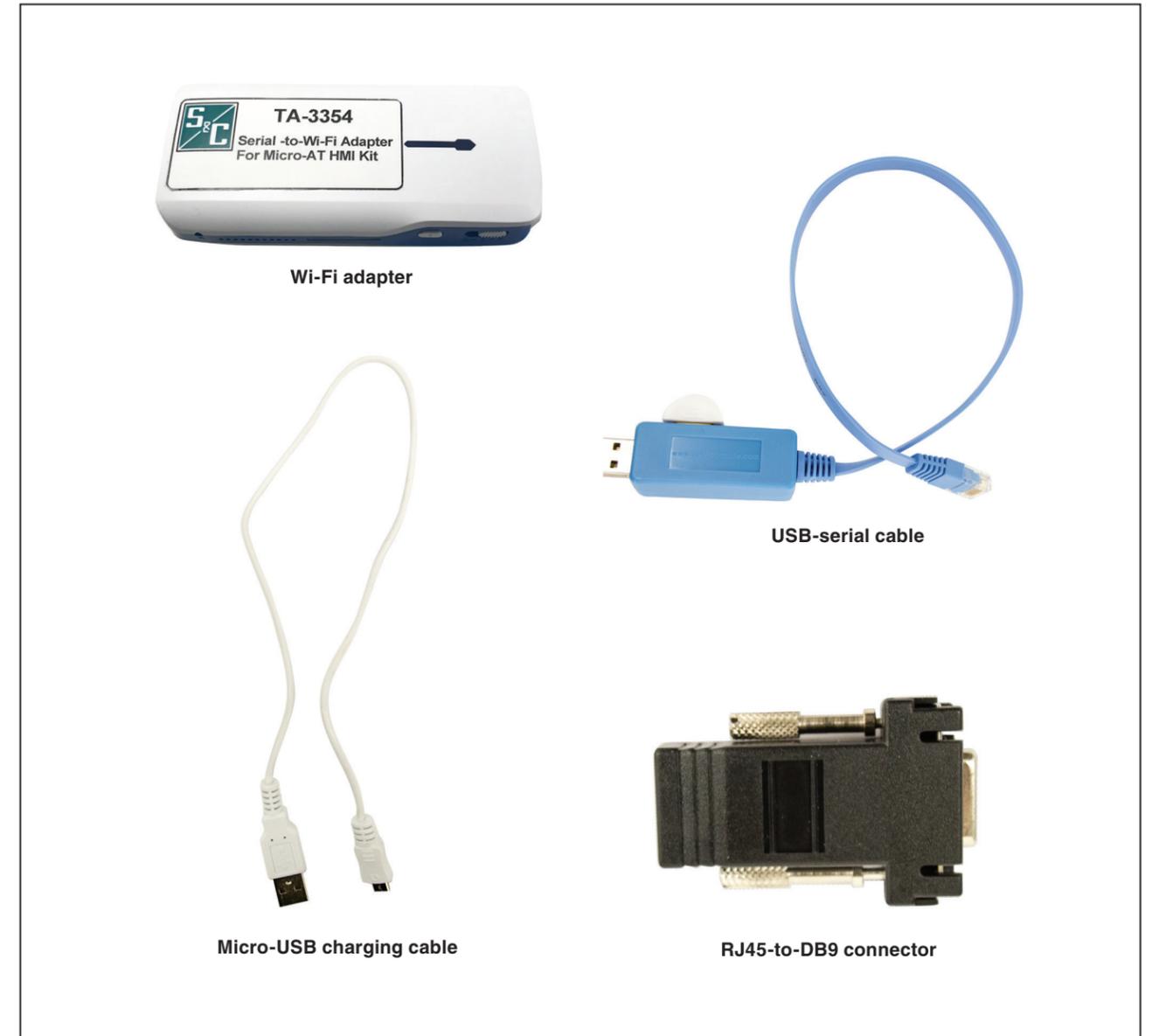

Wi-Fi adapter

USB-serial cable

Micro-USB charging cable

RJ45-to-DB9 connector

Figure 1. The Wi-Fi Adapter Kit components.

Charging the Wi-Fi Adapter

Complete the following steps to charge the Wi-Fi adapter prior to installing it to the Micro-AT control:

STEP 1. Make sure the Wi-Fi adapter slider switch is in the **Off** position (**Power** button symbol to the far left). See Figure 2.

NOTICE
Do not use the **C** position on the slider switch to charge the Wi-Fi adapter. This feature is used to charge other devices.

Figure 2. The adapter Power button in the Off position.

STEP 2. Connect the supplied micro-USB charging cable to the PC's USB port and the micro-USB end of the cable to the micro-USB port on the Wi-Fi adapter. A blue light next to the adapter micro-USB port will turn on, indicating the adapter is charging. See Figure 3. Full charging takes about 45 minutes.
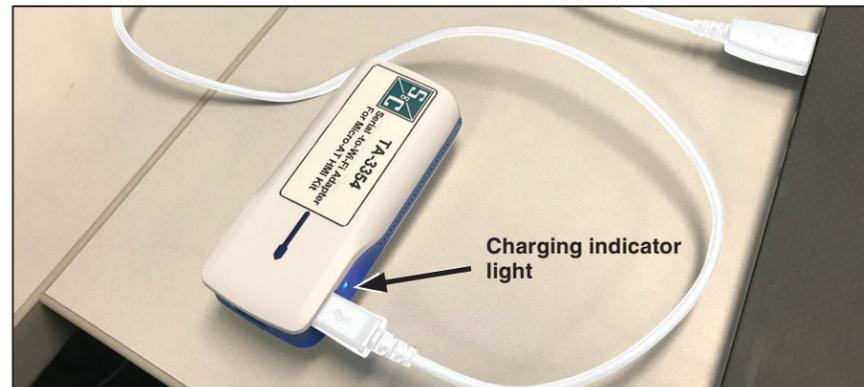

Figure 3. Charging the adapter.

STEP 3. To verify the power level, press the **T** tester button next to the slider switch. See Figure 4. All the blue indicator lights should illuminate when the unit is fully charged (4-5 hours of runtime).
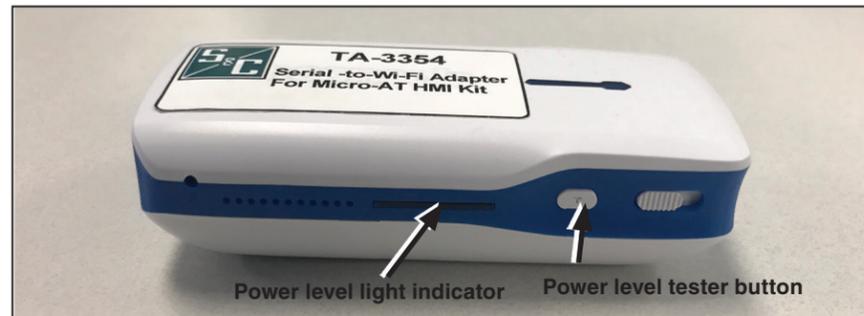

Figure 4. The light indicator and testing button used when verifying the adapter's power level.

STEP 4. Remove the micro-USB cable when charging is complete.

Installing the Micro-AT Control HMI Application Software

Complete the following steps to install the Micro-AT control HMI application software:

STEP 1. Locate the following items needed to install and set up the Micro-AT control HMI application software:

    (a) A personal computer (PC) with a 64-bit Microsoft Windows® 7 or 10 operating system

    (b) Internet access to **sandc.com**

STEP 2. Go to **sandc.com/en/support/sc-customer-portal/** to download the Micro-AT control HMI application software installer.

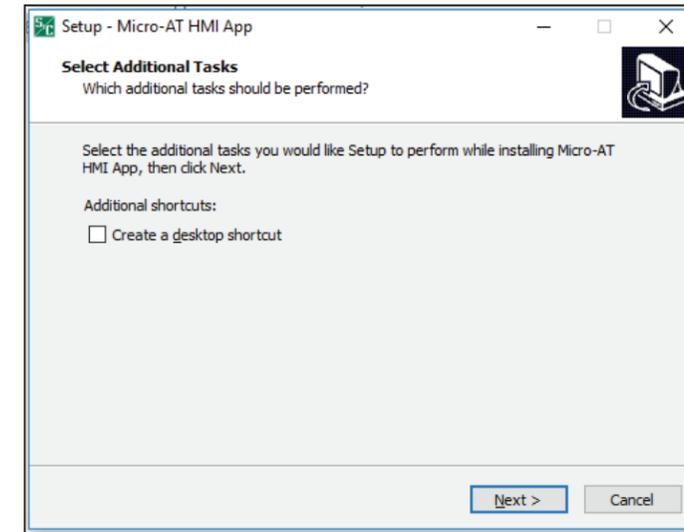**STEP 3.** Launch the installer file MAT_HMI_installer_signed.exe. See Figure 5.

Figure 5. The screen to start the HMI installer installation.

STEP 4. Click on the **Next** button through the screens. As a default, the program will be installed under C:\Program Files (x86)\MAT_HMI and will add a shortcut icon in the Programs folder under the **Start** menu. These settings can be changed, if desired.

STEP 5. Click on the **Install** button to install the Micro-AT control HMI application software. See Figure 6(a) and (b).
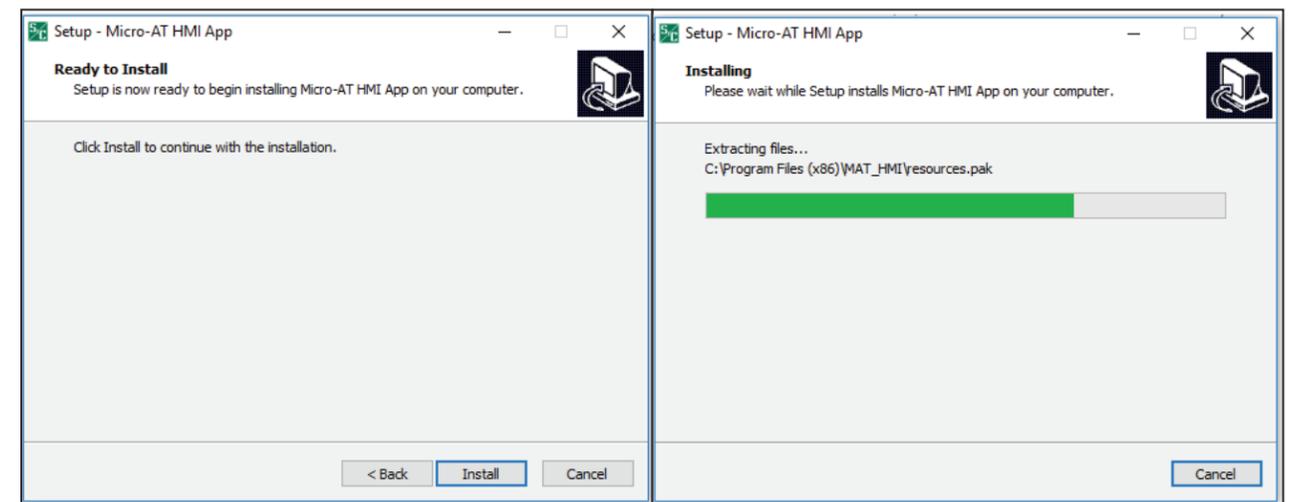

Figure 6. The screens to install the HMI application software.

Note: Refer to Instruction Sheet 515-535 for the instructions for installing the Wi-Fi adapter to the Micro-AT Source-Transfer Control and for operation instructions for the use of the Wi-Fi adapter with the HMI application software.