

Download and install Bluetooth APP

The SIYEENOVE Bluetooth APP, developed by the SIYEENOVE team, is provided to customers free of charge. We will maintain and release updates periodically. In this section, we will guide you on how to download, install, and use the SIYEENOVE Bluetooth APP. You can also visit the official SIYEENOVE website to access it: <https://siyeenove.com/app>.

1.APP for Android Device

The following versions of Android system are supported:

| | |
|--------------------------|----------------------|
| Lowest supported version | Android 5.0 (API 24) |
| Target fit version | Android 14 (API 34) |

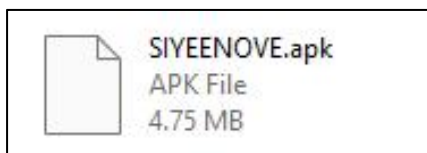
Compatible with 80% + globally active Android devices.

For Android devices, we use Samsung's "Galaxy A54 5G" phone to demonstrate, with the following parameters:

| | | |
|---|------------------|---------------|
|  | Product name | Galaxy A54 5G |
| | Hardware version | REV0.4 |
| | Android version | 13 |
| | | |

1.1 Install the SIYEENOVE Bluetooth APP for Android

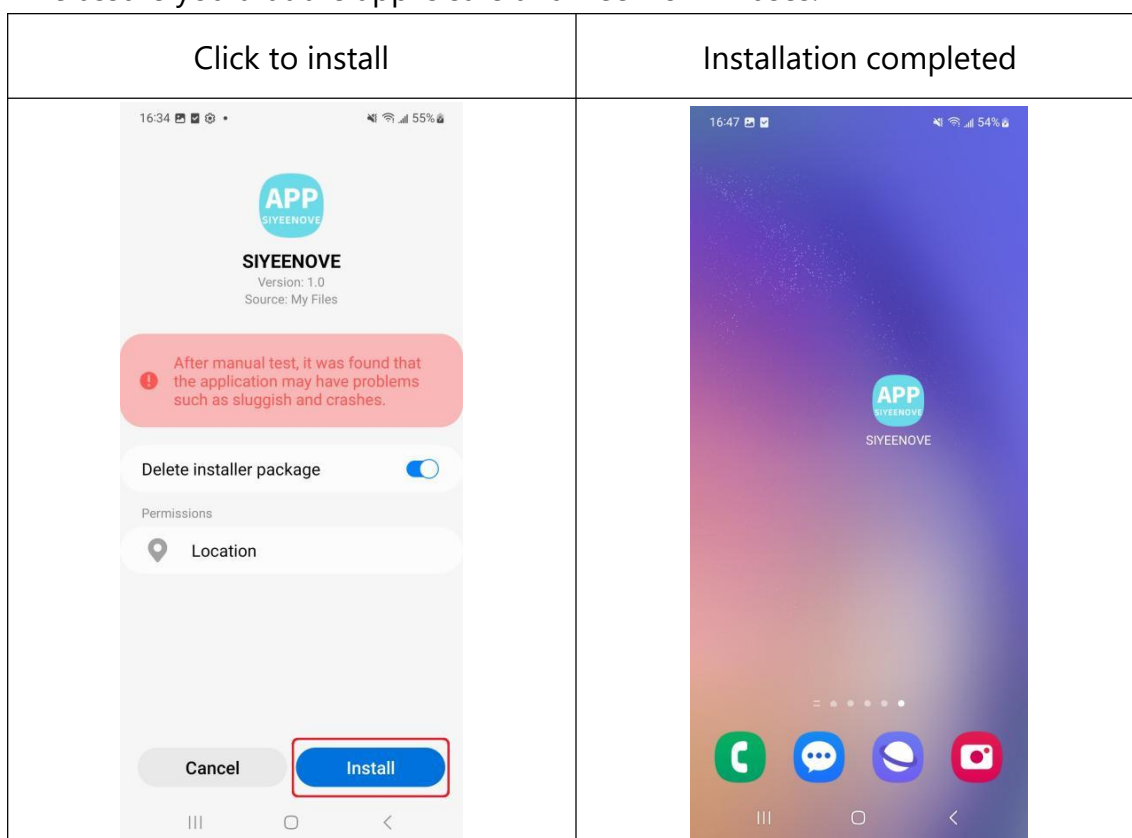
The Android Bluetooth application is not published on the Google Play Store but is included in the tutorial package within the "Android APK" folder. There, you can copy the "SIYEENOVE.apk" to your phone, locate the APK in your phone's interface, and then tap on it to install.



You can also download the Android app by scanning the QR code below using the scanning feature on your Android device.

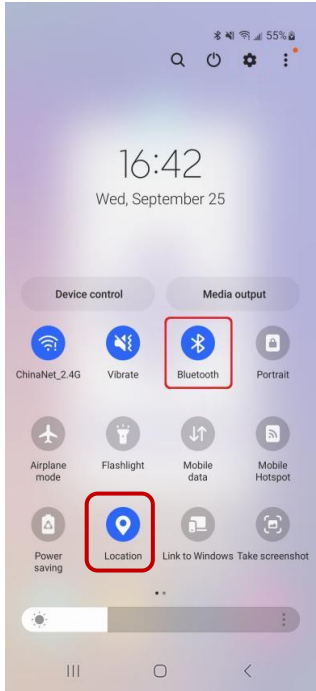
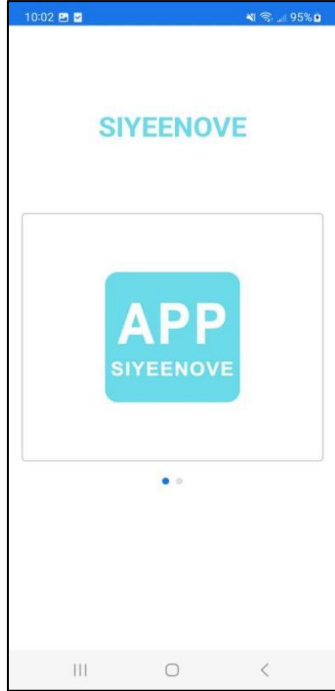
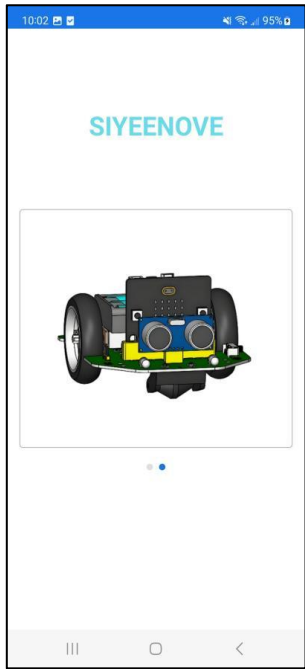
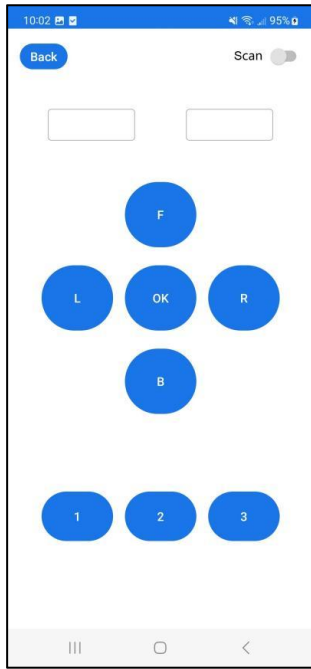


If you encounter any security warnings during the download or installation of the app, please disregard them and proceed by clicking 'download' and 'Install'. We assure you that the app is safe and free from viruses.



1.2 Start the APP

Steps:

| | |
|---|---|
| <p>1. Turn on Bluetooth and Location Services on your phone.</p> | <p>2. Start the APP and enter the home page</p> |
|  <p>The image shows an Android settings screen. Under 'Device control', the 'Bluetooth' toggle is turned on and highlighted with a red box. Under 'Media output', the 'Location' toggle is turned on and highlighted with a red box. The status bar at the top shows 55% battery and the time 16:42 on Wednesday, September 25.</p> |  <p>The image shows the SIYEENOVE APP splash screen. It features the 'SIYEENOVE' logo at the top, a large blue square with the text 'APP SIYEENOVE' in the center, and a small blue dot at the bottom. The status bar at the top shows 95% battery and the time 10:02.</p> |
| <p>3. Swipe left to access the mCar interface.</p> | <p>4. Click on the mCar image to homepage</p> |
|  <p>The image shows the SIYEENOVE mCar interface. It features the 'SIYEENOVE' logo at the top, a large image of a small car with a camera and sensors in the center, and a small blue dot at the bottom. The status bar at the top shows 95% battery and the time 10:02.</p> |  <p>The image shows the SIYEENOVE control interface. It features a 'Back' button at the top left, a 'Scan' toggle at the top right, and a grid of blue buttons labeled 'F', 'L', 'OK', 'R', 'B', '1', '2', and '3'. The status bar at the top shows 95% battery and the time 10:02.</p> |

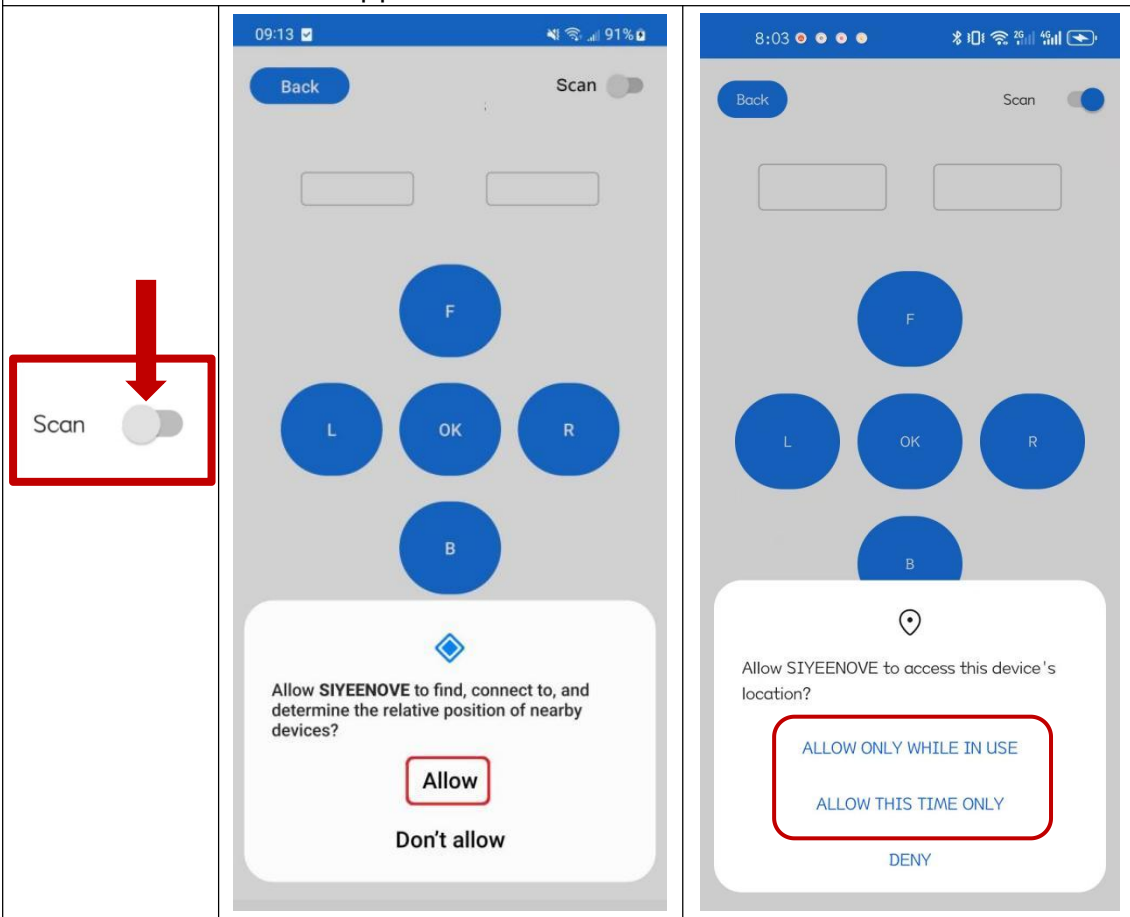
Note: Some devices may require location services to be enabled to scan Bluetooth. This is a vendor-custom system limitation, not a native Android behavior.

1.3 Connect to the Micro: bit with Bluetooth

Warn:

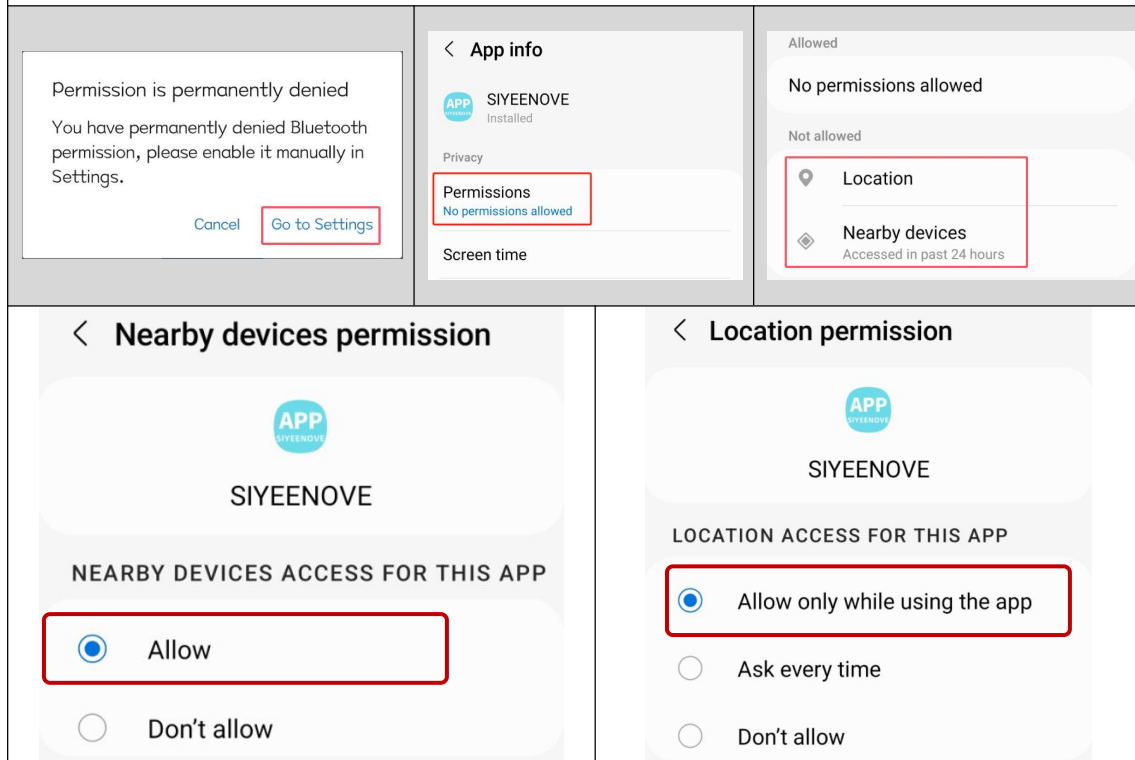
To use the Bluetooth app on an Android device, you must enable the "**Location**" or "**Nearby Devices**" feature to allow it to search for nearby devices.

When you tap the "**Scan**" button in the top-right corner of the mCar control page to start a Bluetooth scan, if the "Location" or "Nearby Devices" permission is not enabled, the app will prompt you to enable it. Be sure to click "**Allow**," otherwise the app will not work.

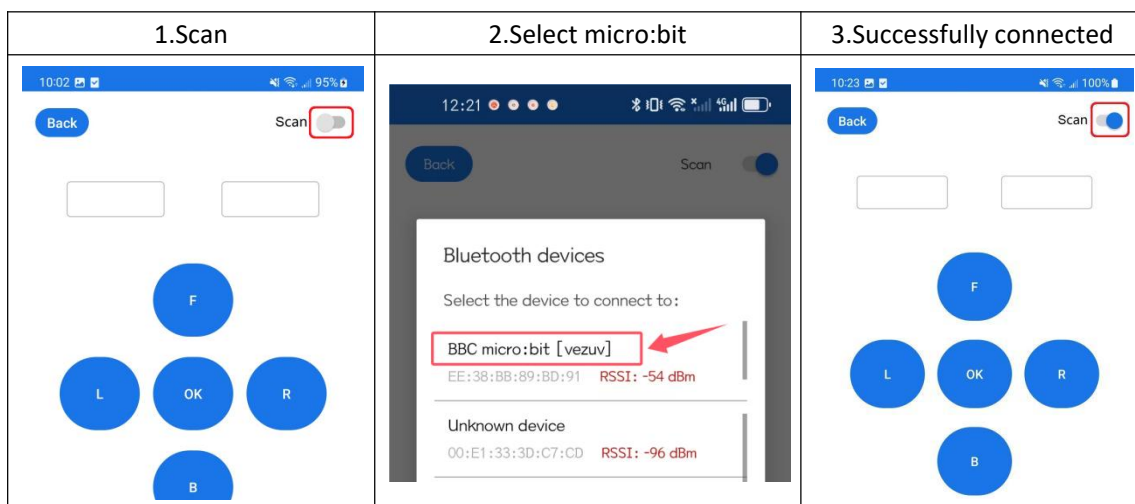


If you accidentally click "**Don't allow**" or "**Deny**," the app will be unable to search for Bluetooth devices and will display a pop-up message saying, "**Permission is permanently denied.**"

In this case, you need to click "**Go to Settings**" to manually enable the "Location" or "Nearby Devices" permission for the app.



Note: The code "**microbit-6-10-app**" must be uploaded to the micro:bit before you can search for and connect to the Micro:bit device via the SIYEENOVE APP.




2.APP for iOS Device

The iOS APP supports:

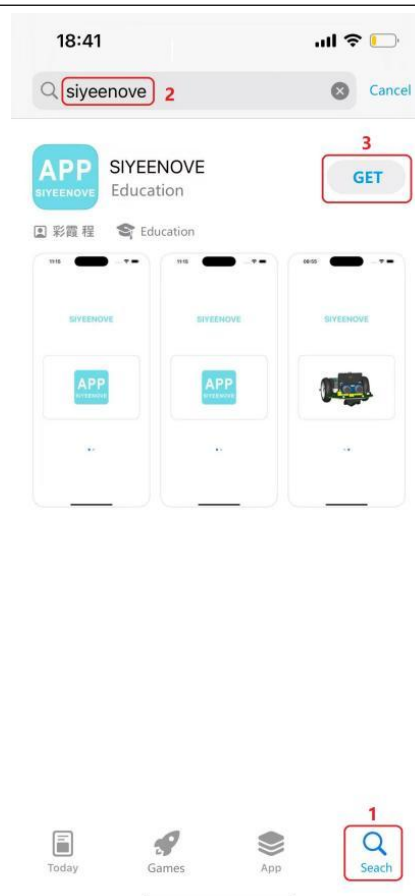
| | |
|-----------------------------------|------|
| Minimum supported version: | 15.6 |
|-----------------------------------|------|

Here, we are using the "iPhone 14" for demonstration, with the specific parameters as follows:

| | | |
|---|------------------|-----------|
|  | Product name | iPhone 14 |
| | Software version | 17.6.1 |
| | | |

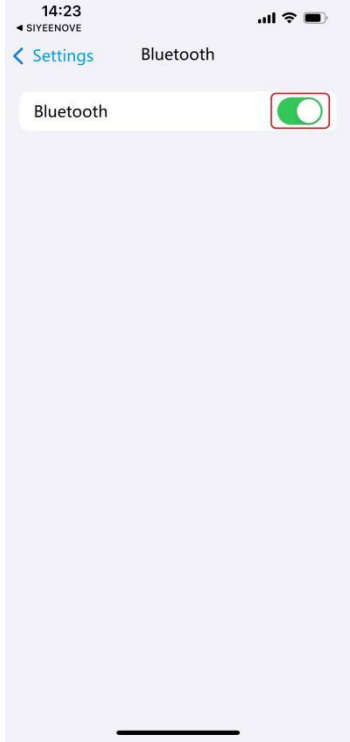


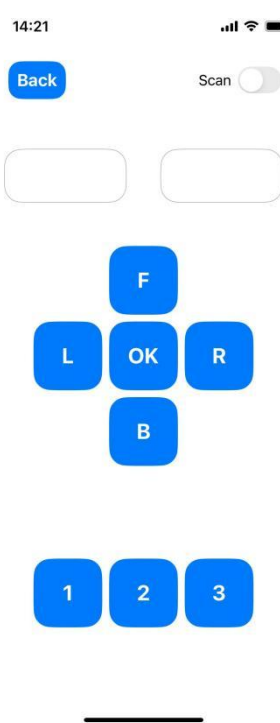
2.1 Install the SIYEENOVE Bluetooth APP for iOS

You can search for the app in the Apple Store using keywords such as "siyeenove," "SIYEENOVE," "Siyeenove," "SiyeenoveApp," or "siyeenoveapp," and then proceed to install it.



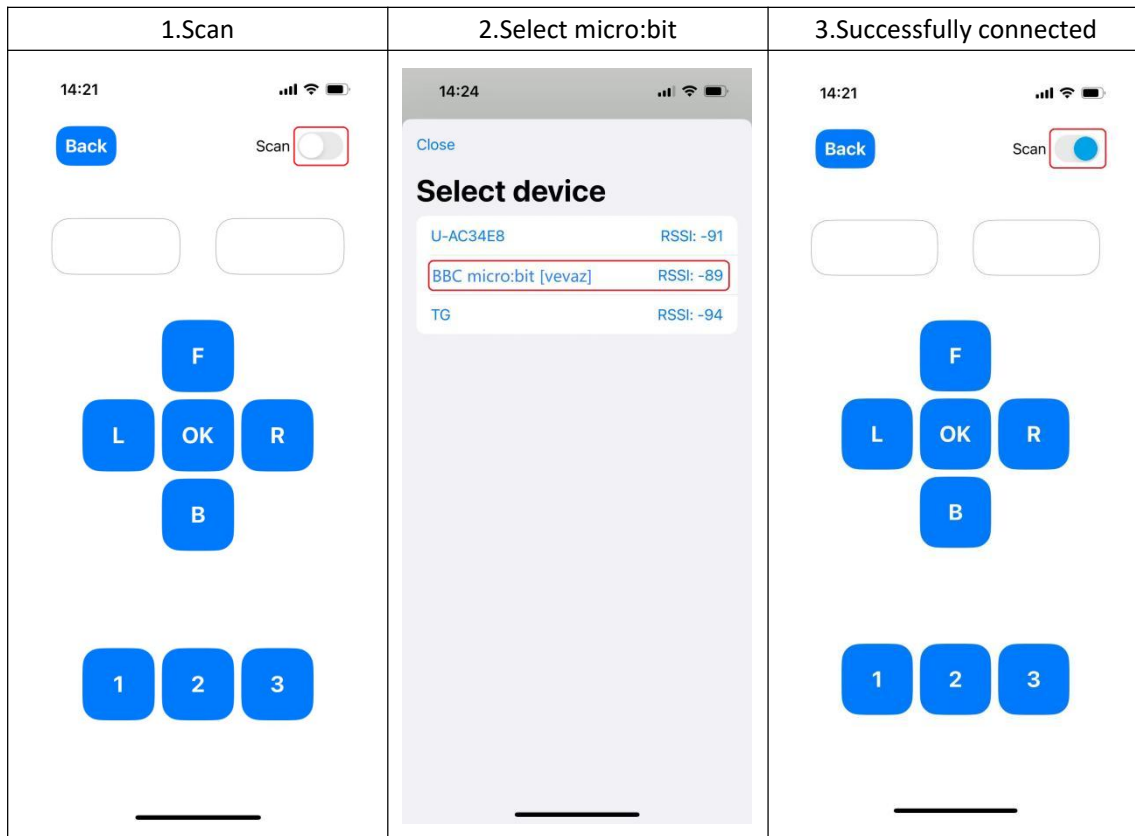
2.2 Start the APP

Steps:






| | |
|---|---|
| <p>1. Turn on Bluetooth Services on your phone.</p>  | <p>2. Start the APP and enter the home page</p>  |
| <p>3. Swipe left to access the mCar interface.</p>  | <p>4. Click on the mCar image to homepage</p>  |

2.3 Connect to the Micro: bit with Bluetooth

Note: The code “**microbit-6-10-app**” must be uploaded to the micro:bit before you can search for and connect to the Micro:bit device via the SIYEENOVE APP.



3. APP Instructions

| Sending Instructions | | |
|---|---------|-----------------------------------|
| Icon | Action | APP Sent Character Command String |
|  | Press | \$-6-1-0-1-# |
|  | Release | \$-6-1-0-0-# |
|  | Press | \$-6-1-1-1-# |
|  | Release | \$-6-1-1-0-# |
|  | Press | \$-6-1-2-1-# |

SIYEENOVE

| | | |
|--|---------|--------------|
| | Release | \$-6-1-2-0-# |
| | Press | \$-6-1-3-1-# |
| | Release | \$-6-1-3-0-# |
| | Press | \$-6-1-4-1-# |
| | Release | \$-6-1-4-0-# |
| | Press | \$-6-1-5-1-# |
| | Release | \$-6-1-5-0-# |
| | Press | \$-6-1-6-1-# |
| | Release | \$-6-1-6-0-# |
| | Press | \$-6-1-7-1-# |
| | Release | \$-6-1-7-0-# |

| Receiving Instructions | | |
|------------------------|----------|---------------------------------------|
| Display Box | Position | APP Received Character Command String |
| | Left | \$-6-1-8-xxx-# |
| | Right | \$-6-1-9-xxx-# |

Note: xxx represents any character except \$, -, and #.