

WEINTEK LABS., INC.

# USB Tethering

Demo Project

## Contents

1. Overview and Operation .....	1
2. Setting up the Screen .....	3

## 1. Overview and Operation

### Overview

By connecting your Android mobile phone with HMI using a USB cable, the internet connection of your phone can be shared with HMI.

This demo project introduces how to enable USB Tethering.

Applicable EasyBuilder Versions: EasyBuilder Pro V5.03.02

Applicable HMI OS Versions: 20151228 or later

### Operation

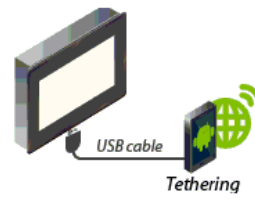
To enable USB Tethering, connect your Android mobile phone with HMI using a micro-USB cable or any USB data cable that is compatible with your phone.

And then activate USB Tethering on your phone as the example show below.



Use system registers LW-11380 and LW-11381 to monitor and control the connection.

# USB Tethering



*USB Tethering enables HMI to use shared Internet connection from USB connected Android phones.*

LW-11380: Connection (USB Tethering)

Stop

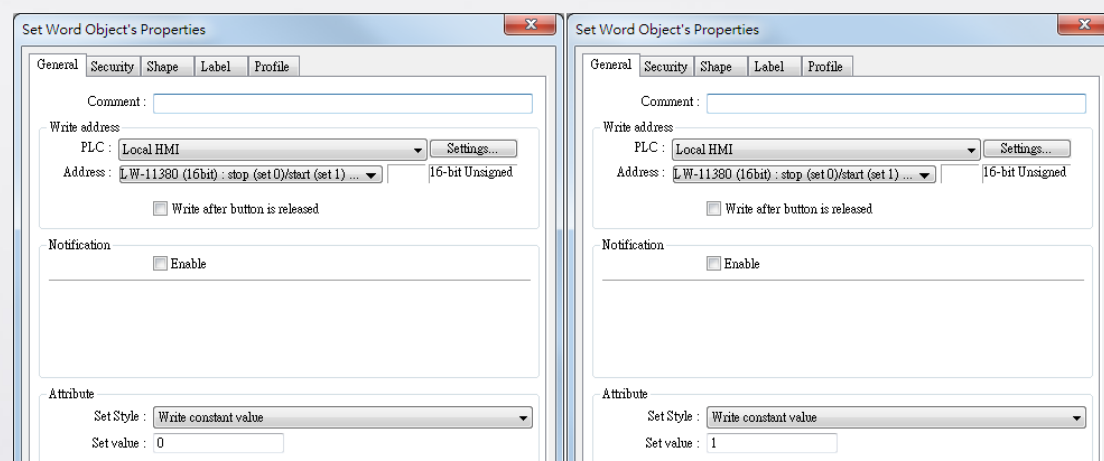
Start

LW-11381: Connection status

Connected

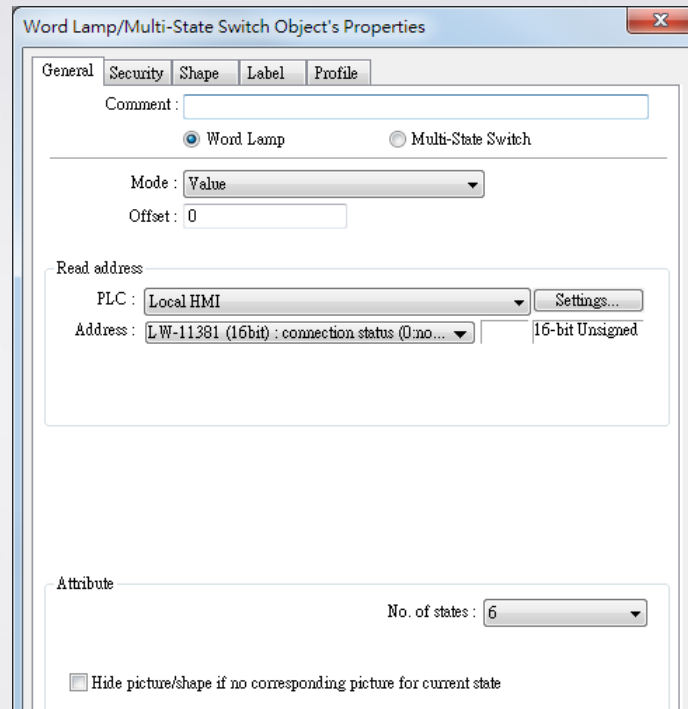
## 2. Setting up the Screen

**Step 1.** Create two Set Word objects, set address to LW-11380 for both of them, and respectively set Attribute to write constant value 0 and write constant value1.



**Step 2.** Create a Word Lamp, set address to LW-11381, and set no. of states to 6. In the Label tab, enter the following labels respectively for each state, for monitoring connection status: 0:No device, 1:Disconnected, 2:Connected, 3:Failed, 4:OS not supported, 5:HMI not supported

## General Tab settings



Word Lamp/Multi-State Switch Object's Properties

General Security Shape Label Profile

Comment :

☒ Word Lamp ☐ Multi-State Switch

Mode : Value

Offset : 0

Read address

PLC : Local HMI

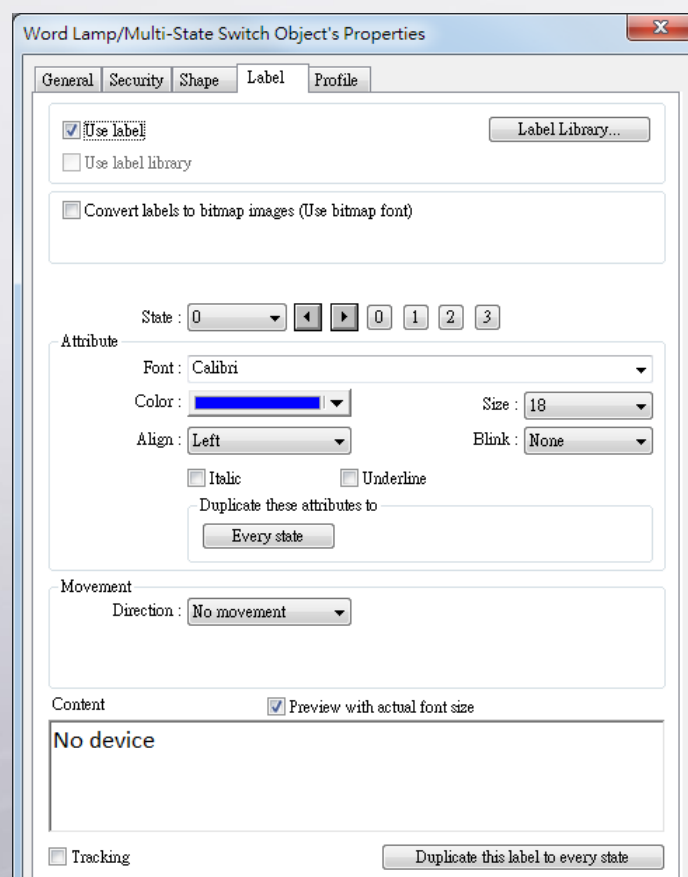
Address : LW-11381 (16bit) : connection status (0.no... 16-bit Unsigned

Attribute

No. of states : 6

☐ Hide picture/shape if no corresponding picture for current state

## Label Tab settings



Word Lamp/Multi-State Switch Object's Properties

General Security Shape Label Profile

☒ Use label

☐ Use label library

Label Library...

☐ Convert labels to bitmap images (Use bitmap font)

State : 0

Attribute

Font : Calibri

Color :

Size : 18

Align : Left

Blink : None

☐ Italic ☐ Underline

Duplicate these attributes to

Every state

Movement

Direction : No movement

Content

☒ Preview with actual font size

No device

☐ Tracking

Duplicate this label to every state