

WEINTEK LABS., INC.

Media Player

Demo Project

TINA LEE

2012/11/12

Table of Content

1. Overview and Operation	1
2. Setting up the Screen	3
3. Addresses	10

1. Overview and Operation

Overview

eMT3000 Series supports Media Player which can read the video files stored in SD card or USB disk and play the video, in order to assist the user to solve the problem encountered on the production line.



Operation

This demo project uses a control panel on the screen to play the video, also to adjust the volume, display screen size, time, and CPU loading.



Video control panel, press ► to play the video stored in USB disk, press ■ to stop playing. The volume can be adjusted by pressing – or +. You may switch between videos, and the size of display screen can be adjusted to fit HMI screen or keep original size.

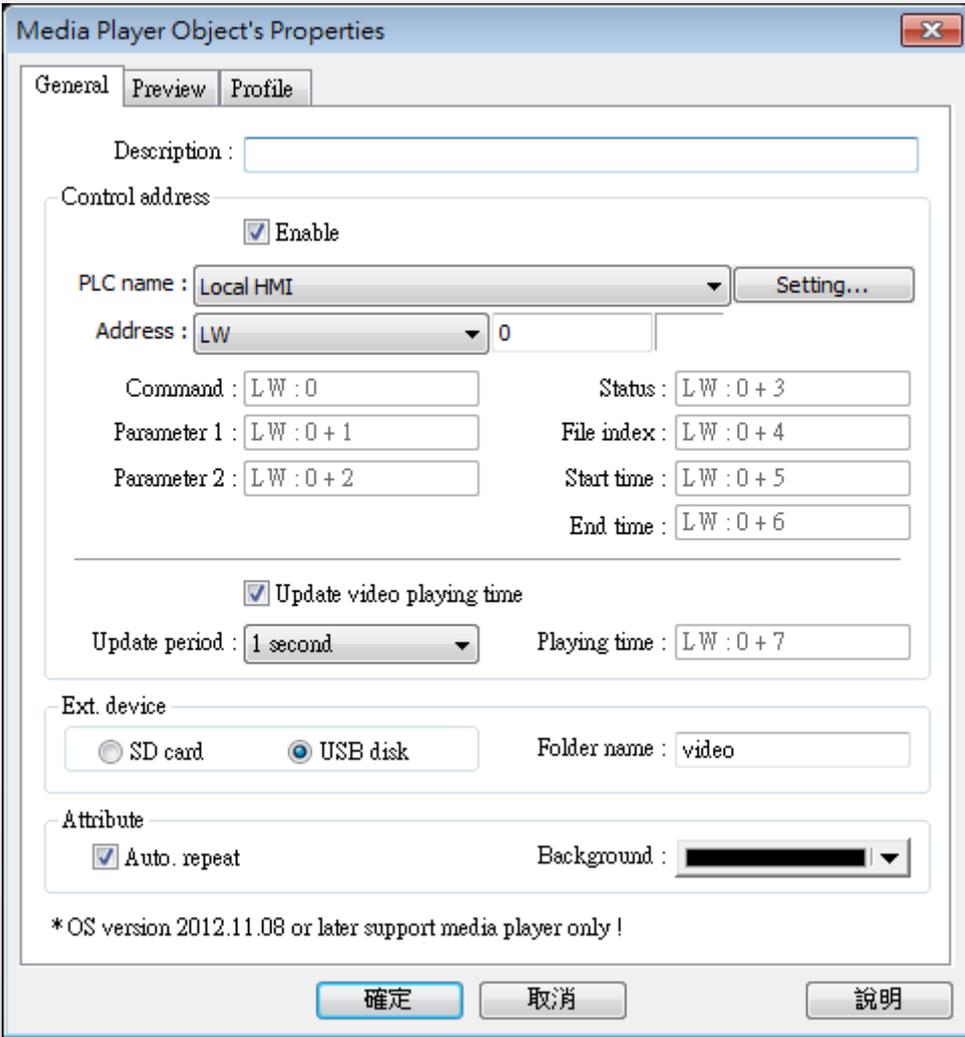
2. Setting up the Screen

1. Open Media Player

Step 1. Set [Control address] to LW-0.

Step 2. Read video file stored in USB disk \ video folder.

Step 3. Select [Auto. Repeat] to repeat playing video automatically.



Media Player Object's Properties

General Preview Profile

Description :

Control address

Enable

PLC name : Local HMI

Address : LW

Command : LW : 0 Status : LW : 0 + 3

Parameter 1 : LW : 0 + 1 File index : LW : 0 + 4

Parameter 2 : LW : 0 + 2 Start time : LW : 0 + 5

End time : LW : 0 + 6

Update video playing time

Update period : 1 second Playing time : LW : 0 + 7

Ext. device

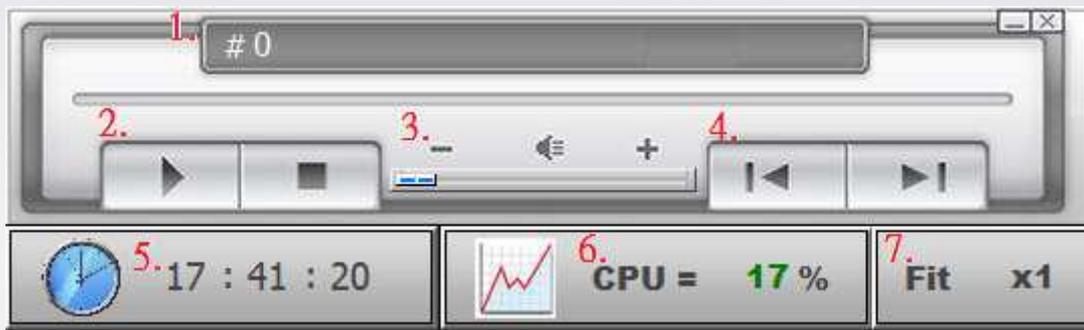
SD card USB disk Folder name : video

Attribute

Auto. repeat Background :

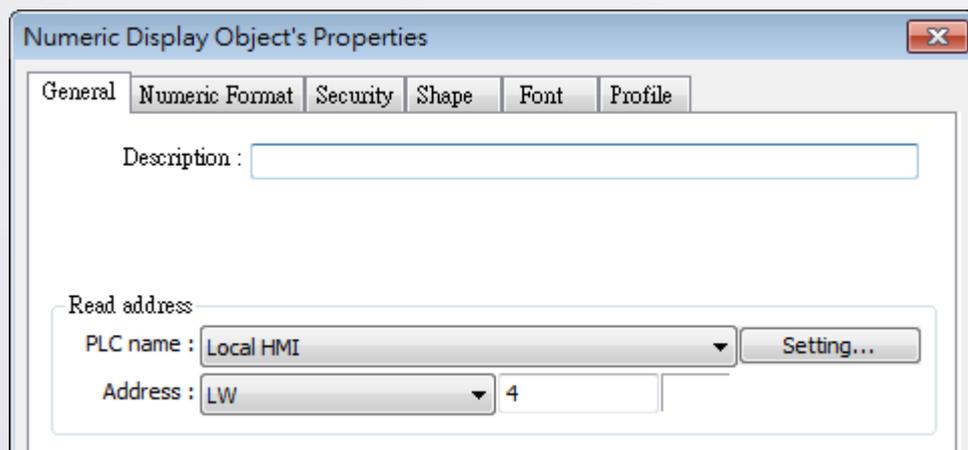
* OS version 2012.11.08 or later support media player only !

2. Set Control Panel



Step 1.

Create a Numeric Display object, set address to LW-4, to display which number of video is currently playing.

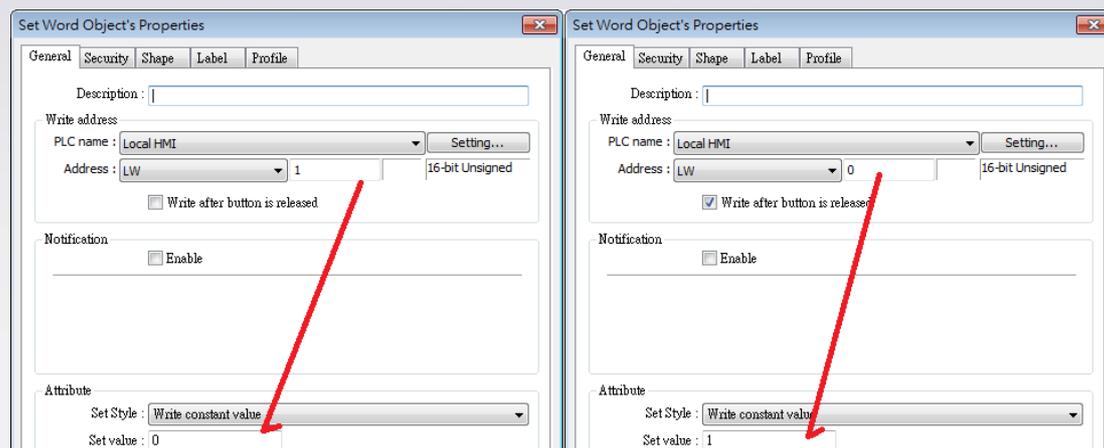


Step 2.

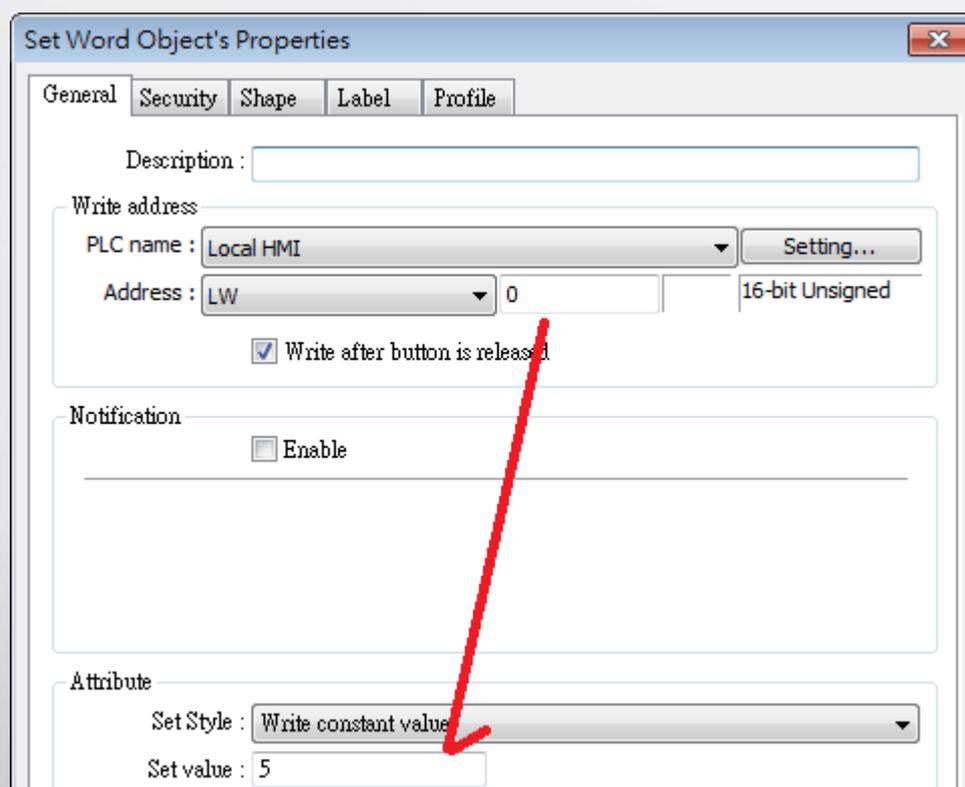
Create two Set Word objects, and place them on the ▶ (Play) button.

The first Set Word object uses address LW-0, and in [Set style] select [Write constant value], in [Set value] enter "1".

The second Set Word object uses address LW-1, and in [Set style] select [Write constant value], in [Set value] enter "0".

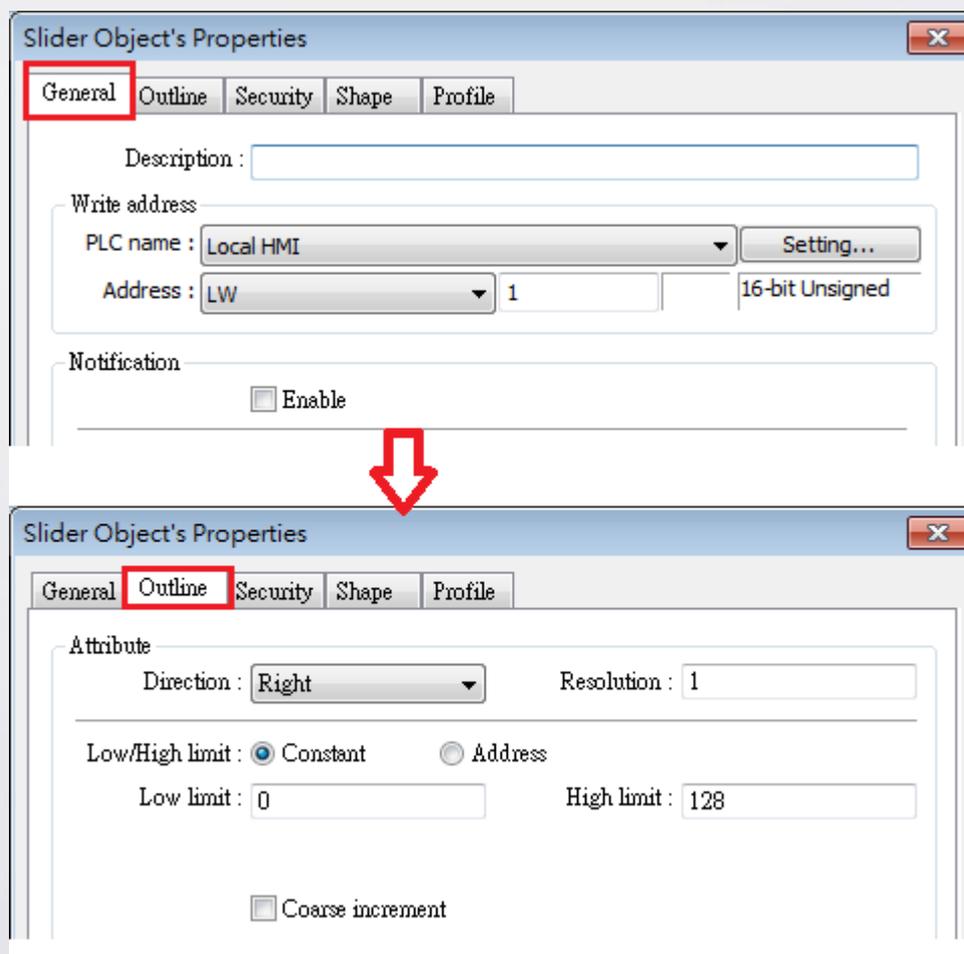


Create a Set Word object, and place it on the ■ (Stop) button. The Set Word object uses address LW-0, and in [Set style] select [Write constant value], in [Set value] enter “5”.

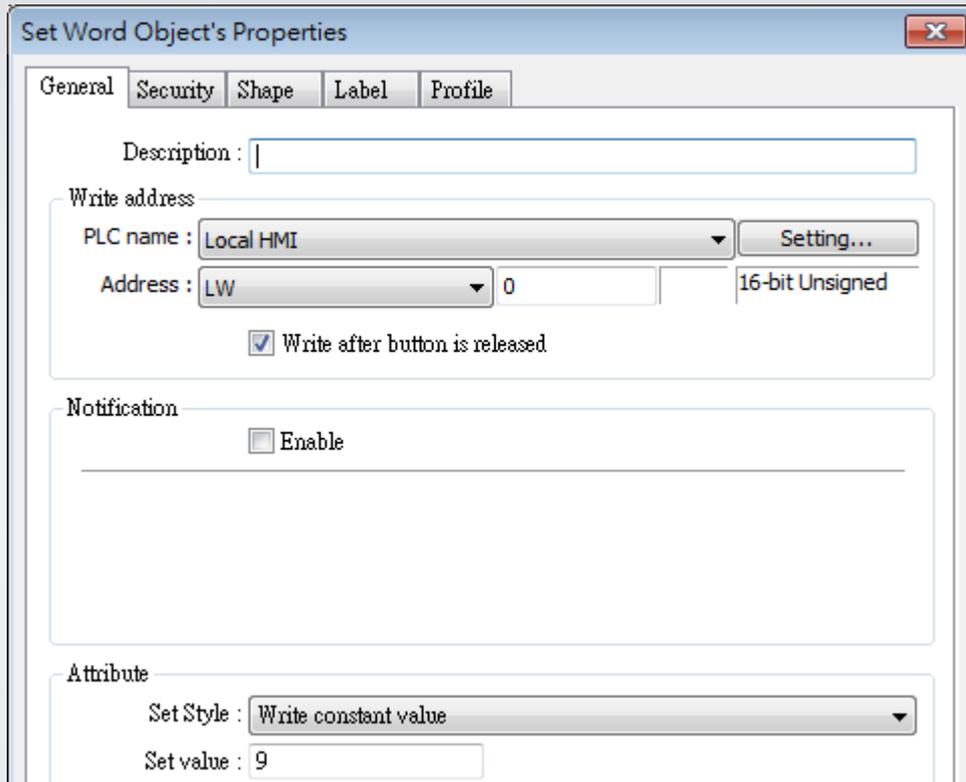


Step 3. Adjust Volume

Create a Slider object, in General Tab set address to LW-1, in Outline Tab set [Low limit] to “0”, [High limit] to “128”.



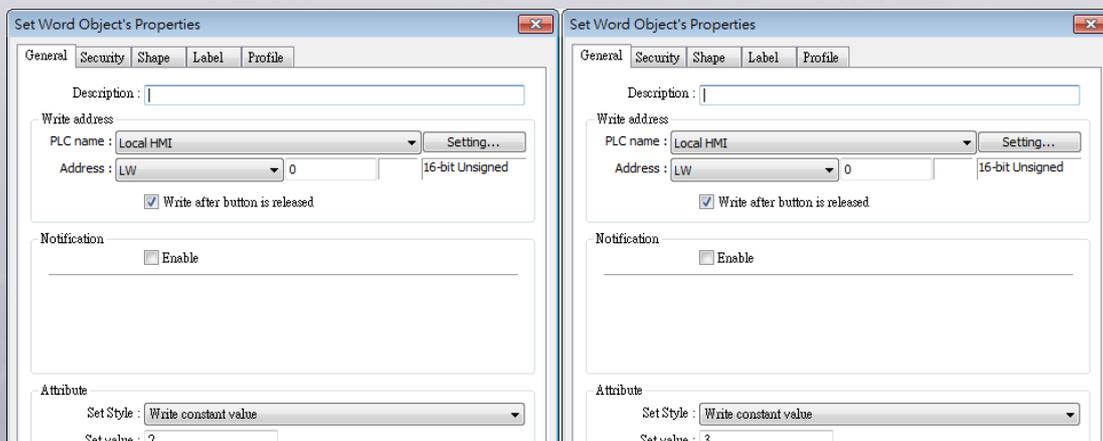
Create a Set Word object, set address to LW-0, in [Set style] select [Write constant value], and in [Set value] enter “9”.



Step 4. Switch Between Videos

Create a Set Word object, and place it on the  (previous) button. Set address to LW-0, in [Set style] select [Write constant value], and in [Set value] enter “2” to switch to the previous video file.

Create a Set Word object, and place it on the  (next) button. Set address to LW-0, in [Set style] select [Write constant value], and in [Set value] enter “3” to switch to the next video file.



Step 5. Time Display

Create Numeric Display objects LW-9017 to LW-9019 to display time.

Step 6. CPU Loading

Create a Numeric Display object LW-9025 to display CPU loading.

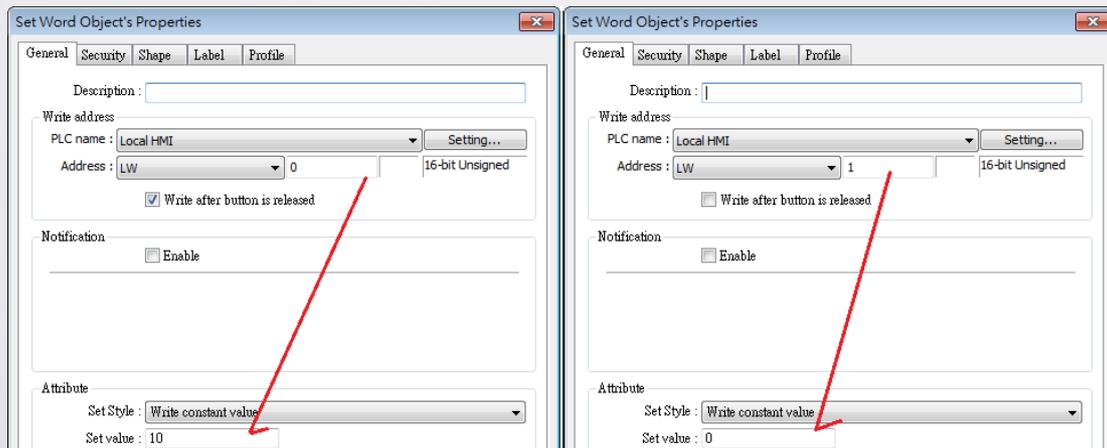
Step 7. Screen size adjustment

Fit (to full screen)

Create two Set Word objects.

The first Set Word object uses address LW-0, and in [Set style] select [Write constant value], in [Set value] enter "10".

The second Set Word object uses address LW-1, and in [Set style] select [Write constant value], in [Set value] enter "0".

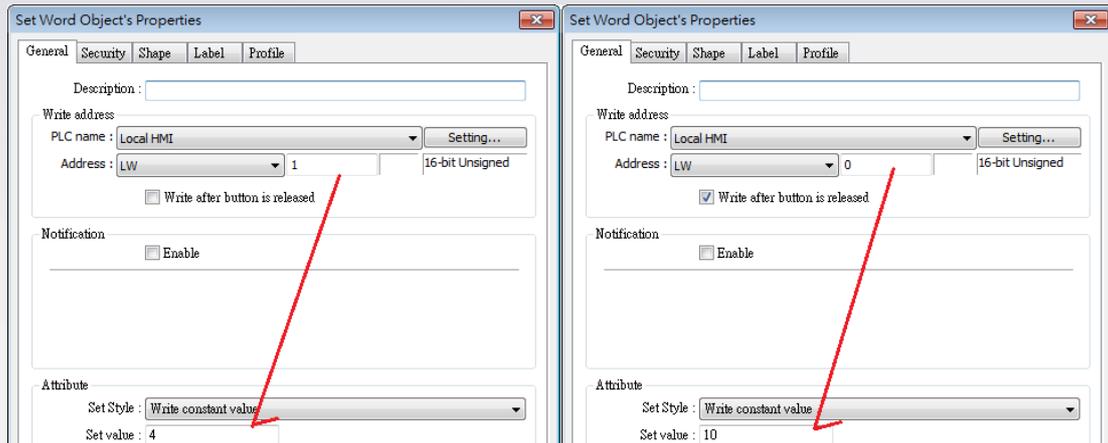


X 1 (keep original size)

Create two Set Word objects.

The first Set Word object uses address LW-0, and in [Set style] select [Write constant value], in [Set value] enter "10".

The second Set Word object uses address LW-1, and in [Set style] select [Write constant value], in [Set value] enter "4".



3. Addresses

The addresses of objects used in this demonstration are listed below.

Object	Address	Object ID	Description
Window 10			
Word	LW 4	ND_0	Video number currently played
Word	LW 0	MP_0	Media Player
Word	LW 0	SW_0	Stop playing video
Word	LW 0	SW_1	Play next video
Word	LW 0	SW_2	Play previous video
Word	LW 0	SW_3	Play video
Word	LW 1	SW_4	Play video
Word	LW 0	SW_5	Adjust volume
Word	LW 1	SL_0	Adjust volume
Window 11			
Word	LW 9025	ND_0	CPU Loading
Word	LW 9019	ND_1	Time display
Word	LW 9018	ND_2	Time display
Word	LW 9017	ND_3	Time display
Word	LW 0	SW_0	Display screen size
Word	LW 0	SW_1	Display screen size
Word	LW 1	SW_2	Display screen size
Word	LW 1	SW_3	Display screen size