M121STM/M156STM
User Manual

Rev 1.0

M12STM and M15STM is the network based LCD media player having HD quality video. At the commercial site, school, hospital, restaurant and government building, it can be displayed HD quality contents through the wireless network. It is connected by wireless network, and all contents are stored at the Internet Server, and download contents.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:
•Reorient or relocate the receiving antenna.
•Increase the separation between the equipment and receiver.
•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
•Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, (example -use only shielded interface cables when connecting to computer or peripheral devices).
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This device complies with Part 15 of the 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.

IMPORTANT NOTE :
FCC RF Radiation Exposure Statement:
This equipment complies with 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. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Intellian Technologies, Inc.

Notice

Any and all parts of this manual shall not be reproduced and distributed in any form without written prior consent by Intellian Technologies, Inc. The information contained in this manual shall be subject to change at any time without notice due to the functional upgrade of the product.

Version Information

Date	Description
2009. 11. 05	1st

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1. Introduction

1.1 Introduction

1.1.1 General

M12STM and M15STM is the network based LCD media player having HD quality video. At the commercial site, school, hospital, restaurant and government building, it can be displayed HD quality contents through the wireless network. It is connected by wireless network, and all contents are stored at the Internet Server, and download contents.

1.1.2 Specification

Storage		CF Memory 2GB
USB Host		USB 2.0, Player Control
Video Output		1280x800(M121STM) / 1366x768(M156STM)
Audio		Stereo 3W Speaker
Wireless LAN (802.11b/g)	Frequency	2412 ㎒ ~ 2462 ㎒
	Channels	11 ch
IR Sensor		Remote Control
LED		Wireless LED, Power LED
Power		DC 12V
Power Consumption		0.39A 12V (12")
Size (mm)		308x199x29 (12")
Wight (Kg)		1.2 (12")
Supported Media	Picture	JPG
	Movie	MPEG 1/2/4, AVI, DivX, Xvid, WMV9
	Music	MP3

1.1.3 Package

1. Player : M121STM / M156STM

2. Remote Control : 33 Buttons, Use for control

3. Power Adaptor : AC Input - 100~240V, 50 ~ 60Hz, DC Output - 12V/3A

1.1.4   Product Architecture

The image of M121STM / M156STM is as below. DC Power and CF Card Slot is located at the back side of the player. At first, remove the Sub Cover of the back side, and connect the power and insert the CF card. At last, assemble the Sub Cover again. And, the USB port is used only at the upgrade of firmware and copy of the contents.

1.1.5   Installation

The M121STM / M156STM are installed on the shelf to play the advertisements. Using the bracket which is included in the package, the player should be installed tightly on the shelf. The DC power jack is placed on the back side of the player.

1.2   Working Mode

The player can be worked as Stand-alone Mode or Network Mode seperately.

1.2.1   Stand-alone Mode

This mode don't use the network connection. Only store the contents in the CF card, and play. All controls and effects are controlled by Remote Controller directly.
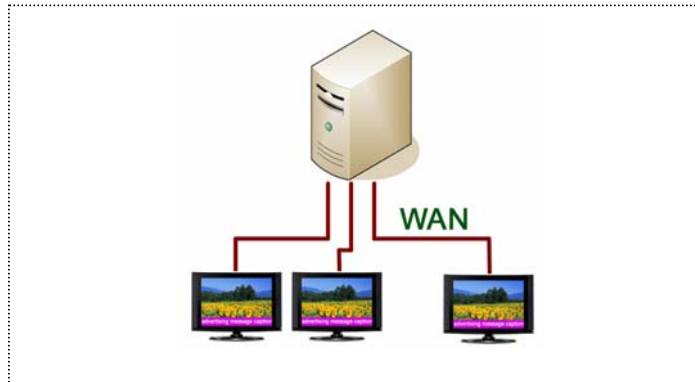
- Application
  Small Office, Restaurant, Store, Hospital, School

- Contents Storage
  Use internal storage like CF Card or USB Memory.

1.2.2   Network Mode

All contents are stored at the Internet Server. To play the contents, the player should be download the contents through the wireless network and store it at the internal storage. And then play the contents. All control information is downloaded from the Server.

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- ● Application

   Large Office, Restaurant, Market, Mall, Hospital, Museum, School

- ● Contents Storage

   Internet Server.

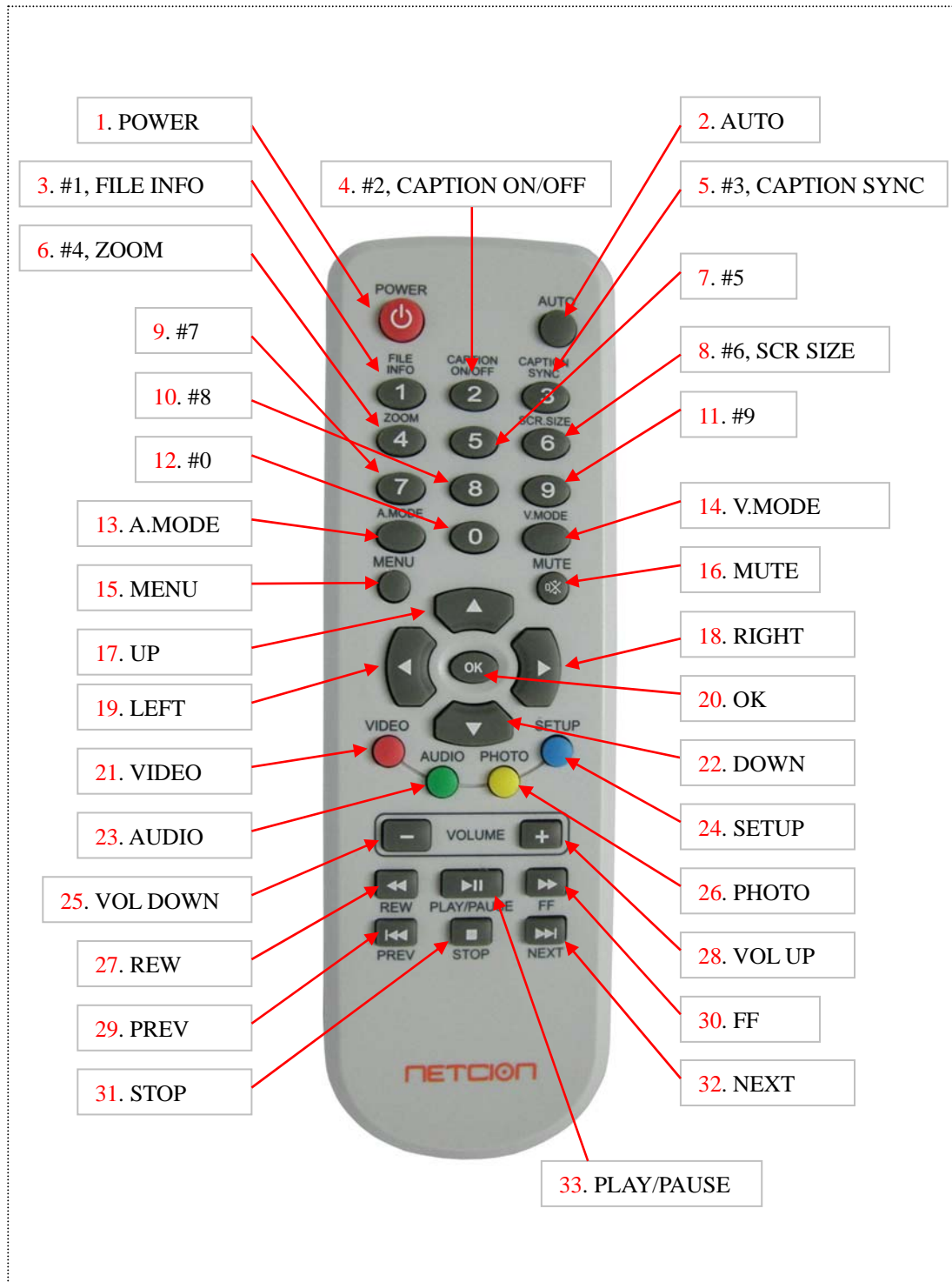- ● System Diagram

1.3   System Requirement

1.3.1   Internet Server

☐ Run Server Program

   - Run Web Server. Need server application.

1.3.2   Internal Storage

☐ Internal Storage

   CF Card

☐ Supported File System

   - FAT32

1.4 Remote Control

1. POWER

2. AUTO

3. #1, FILE INFO

4. #2, CAPTION ON/OFF

5. #3, CAPTION SYNC

6. #4, ZOOM

7. #5

9. #7

8. #6, SCR SIZE

10. #8

11. #9

12. #0

13. A.MODE

14. V.MODE

15. MENU

16. MUTE

17. UP

18. RIGHT

19. LEFT

20. OK

21. VIDEO

22. DOWN

23. AUDIO

24. SETUP

25. VOL DOWN

26. PHOTO

27. REW

28. VOL UP

29. PREV

30. FF

31. STOP

32. NEXT

33. PLAY/PAUSE

No	Button	Menu	On Playing
1	POWER	Power On/Off	Power On/Off
2	AUTO	Auto Start	N/A
3	#1, FILE INFO	1	N/A
4	#2, CAPTION ON/OFF	2	N/A
5	#3, CAPTION SYNC	3	N/A
6	#4, ZOOM	4	N/A
7	#5	5	N/A
8	#6, SCR SIZE	6	N/A
9	#7	7	N/A
10	#8	8	N/A
11	#9	9	N/A
12	#0	0	N/A
15	MENU	N/A	N/A
16	MUTE	N/A	Mute
17	UP	Up	N/A
18	RIGHT	Right	N/A
19	LEFT	Left	N/A
20	OK	Enter or Select	N/A
21	VIDEO	N/A	N/A
22	DOWN	Down	N/A
23	AUDIO	N/A	N/A
24	SETUP	Go to Setup Menu	Go to Setup Menu
25	VOL DOWN	N/A	Volume Down
26	PHOTO	N/A	N/A
27	REW	N/A	N/A
28	VOL UP	N/A	Volume Up
29	PREV	N/A	N/A
30	FF	N/A	N/A
31	STOP	N/A	Go to Setup Menu
32	NEXT	N/A	N/A
33	PLAY/PAUSE	Play	N/A

[표] Remote Control Button

2. System Configuration

2.1　Video/Audio

2.1.1　Video

You can set up the brightness, contrast, and saturation. Using the remote control, you can set up using ◀, ▶, +, - button.
(In Network Mode, this menu is disabled)
M121STM is connected directly at the LCD. The video output is "LVDS 1280x800". And it can't changeable. (M156STM : "LVDS 1366x768")
 - LVDS : 1280x800
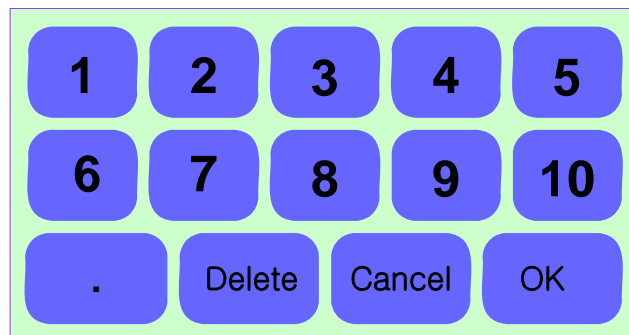 - LVDS : 1366x768

2.2 Network Server

This menu is only available at Network Mode.
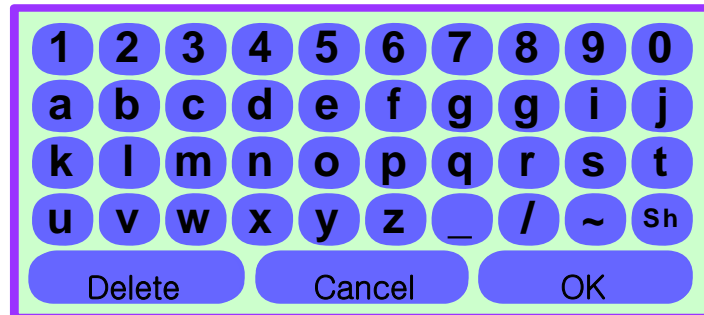

□ Connect Mode

- Internet
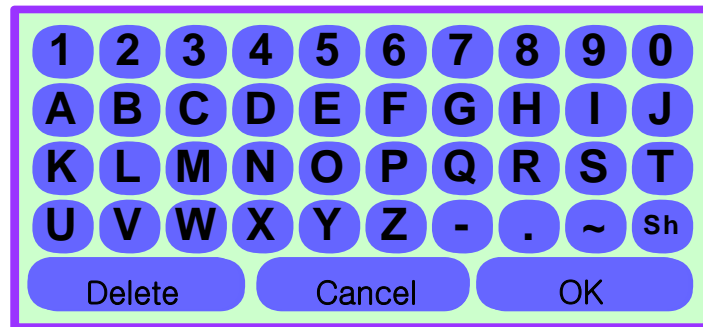
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□ Server IP

You can change the IP address.

[그림] Virtual Keyboard

□ Media ID

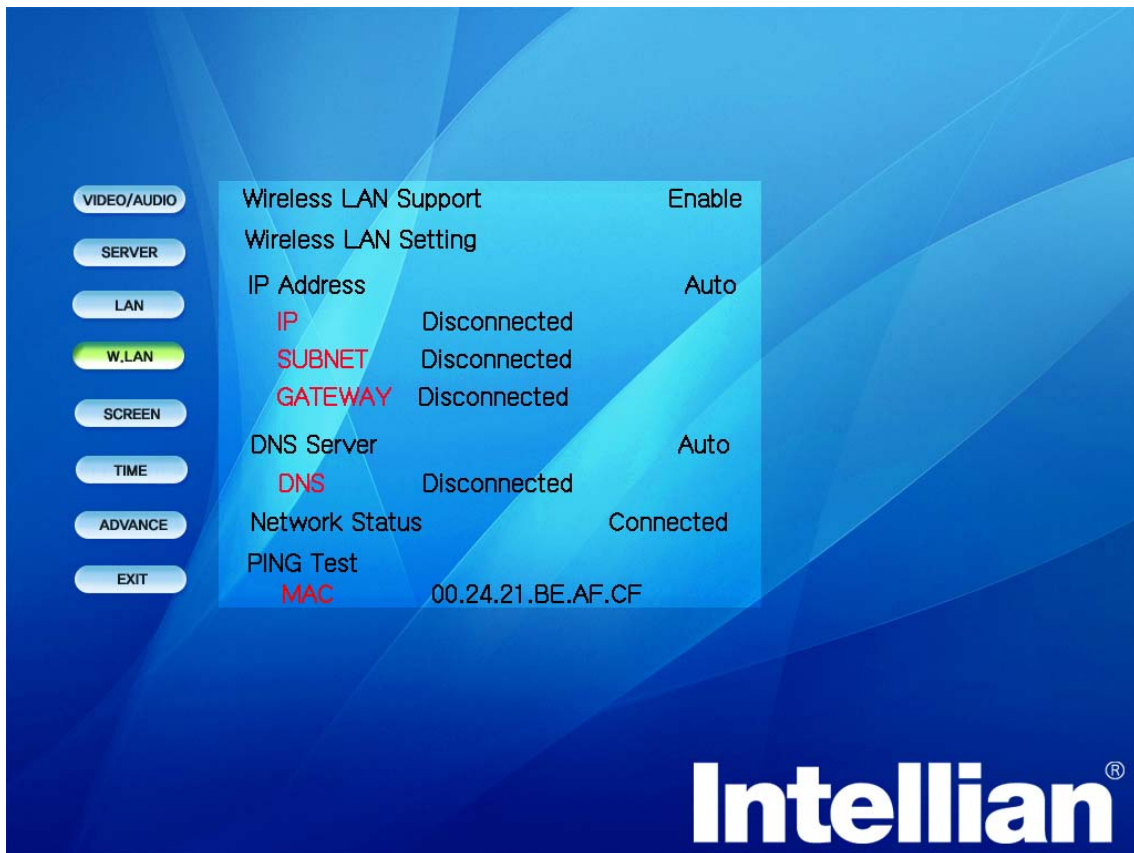Media ID is the unique ID of the media. It should be need to connect the
Internet Server.

[그림] Virtual Keyboard

[그림] Virtual Keyboard(After Sh key is pressed)

2.3 Wireless Network

Wireless LAN Support   Enable
Wireless LAN Setting
IP Address   Auto
   IP   Disconnected
   SUBNET   Disconnected
   GATEWAY   Disconnected
DNS Server   Auto
   DNS   Disconnected
Network Status   Connected
PING Test
   MAC   00.24.21.BE.AF.CF

VIDEO/AUDIO
SERVER
LAN
W.LAN
SCREEN
TIME
ADVANCE
EXIT

Intellian®

2.4 Screen

2.5 Time

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Intellian Technologies, Inc.

SK Ventium 104-601, 522 Dangjeong-Dong Gunpo-Si,

Gyeonggi-Do 435-776, Korea

Tel: 031-436-2280

Fax: 031-436-1569

Homepage: http://www.intelliantech.com