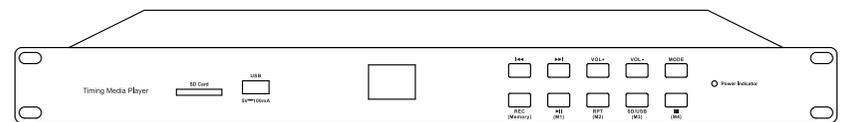


Timing Media Player

USER MANUAL



FCC STATEMENT

- I. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: 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 or more 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.

INDEX

01 SAFETY RELATED SYMBOLS	4
02 WARNING	4
03 IMPORTANT SAFETY INSTRUCTIONS	5
04 PREFACE	6
05 FUNCTION FEATURE	7
06 NAME & FUNCTION DESCRIPTION FOR EACH PARTUSE OPERATION	8
07 USE OPERATION	9
08 FIRMWARE UPDATES	11
09 ANDROID CONTROL SOFTWARE	14
10 FREQUENCY RESPONSE RANGE	19
11 BLOCK DIAGRAM	20

SAFETY RELATED SYMBOLS



ATTENTION: RISQUE DE CHOC ÉLECTRIQUE.
NE PAS OUVRIR

WARNING: TO REDUCE THE RISK OF FIRE OR
ELECTRIC SHOCK DO NOT EXPOSE THIS
EQUIPMENT TO RAIN OR MOISTURE

AVERTISSEMENT: NE PAS EXPOSER CE MATERIEL
À LA PLUIE OU L'HUMIDITÉ AFIN DE RÉDUIRE LE
RISQUE D'INFLAMMATION OU DE CHOC
ÉLECTRIQUE



The symbol is used to indicate that
some hazardous live terminals are
involved within this apparatus, even
under the normal operating conditions.



The symbol is used in the service
documentation to indicate that specific
component shall be only replaced by
the component specified in that
Documentation for safety reasons.

~ Alternating current/voltage.(for adapter)

ON: Denotes the apparatus turns on.

OFF: Denotes the apparatus turns off,

WARNING: Describes precautions that
should be observed to prevent the danger
of injury or death to the user.



Disposing of this product should
not be placed in municipal waste
and should be separate collection.

CAUTION: Describes precautions that
should be observed to prevent danger of the
apparatus.

WARNING

- **Power Supply**

Ensure the source voltage matches the
voltage of the power supply before turning
ON the apparatus.

Unplug this apparatus during lightning
storms or when unused for long periods
of time.

- **External Connection**

The external wiring connected to the output
hazardous live terminals requires installation
by an instructed person, or the use of ready-
made leads or cords.

- **Do not Remove any Cover**

There are maybe some areas with high
voltages inside, to reduce the risk of electric
shock, do not remove any cover if the power
supply is connected.

The cover should be removed by the qualified
personnel only.

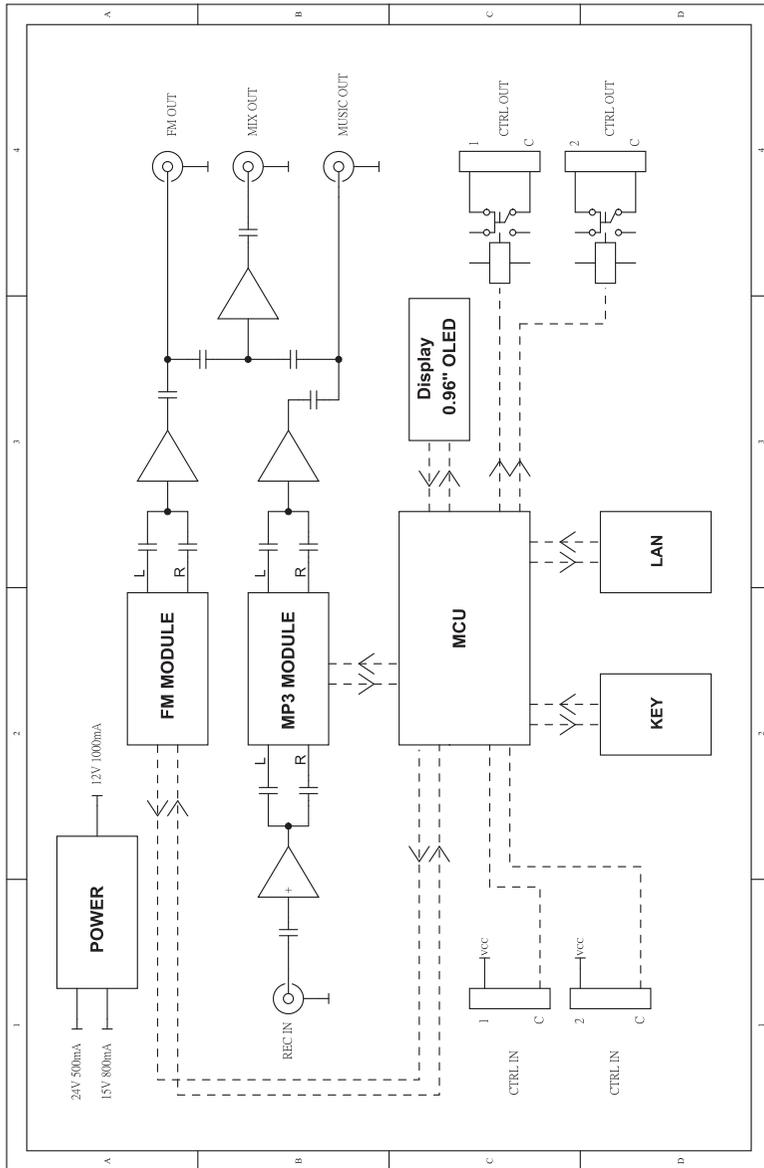
No user serviceable parts inside.

- **Fuse(for adapter)**

To prevent a fire, make sure to use fuses
with specified standard (current, voltage,
type). Do not use a different fuse or short
circuit the fuse holder.

Before replacing the fuse, turn OFF the
apparatus and disconnected the power
source.

BLOCK DIAGRAM



• Operating Conditions

This apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on this apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Do not use this apparatus near water. Install in accordance with the manufacture-r's instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not block any ventilation openings.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Follow all instructions.
- Keep these instructions.
- Heed all warnings.
- Only use attachments/accessories specified by the manufacturer.

• Cleaning

When the apparatus needs a cleaning, you can blow off dust from the apparatus with a blower or clean with rag etc.

Don't use solvents such as benzol, alcohol, or other fluids with very strong volatility and flammability for cleaning the apparatus body. Clean only with dry cloth.

• Servicing

Refer all servicing to qualified personnel. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so .

Servicing is required when the apparatus has been damaged in any way , such as power supply cord or plug is damaged , liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture , does not operate normally, or has been dropped.

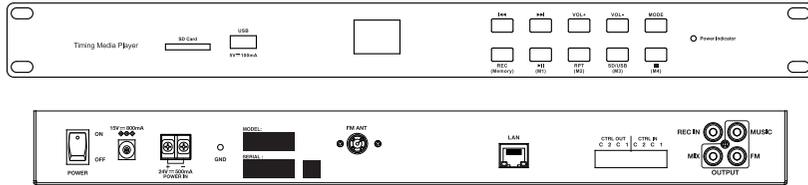
The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

• Battery

1. High or low extreme temperatures that a battery can be subjected to during use, storage or transportation;
2. And low air pressure at high altitude.
3. Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types)
4. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion;
5. Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas; and
6. A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

PREFACE

Thank you to purchase the product which works as a timing medio player.
 As one kind of solution which is used in commercial audio application for timing, voice playback and FM radio management.
 The product is easy to use and implement, and provides the most advanced signal processing in a cost-effective package.



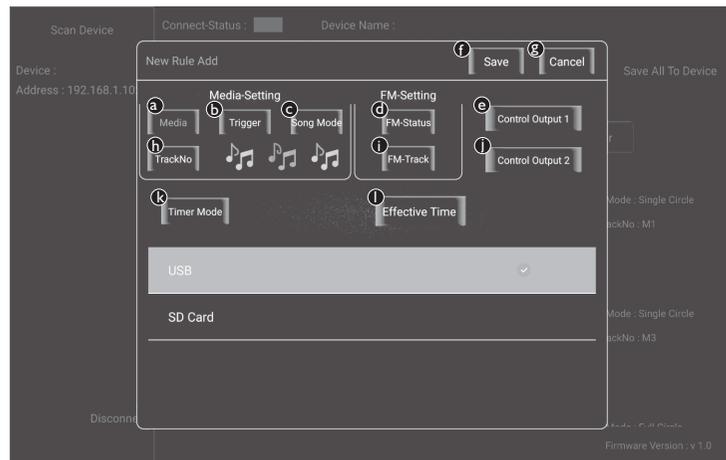
It is widely used in following electromagnetic environment such as Residential, commercial and light industry, urban outdoor. As a device for rack mounting .
 It maybe need to rise SNR by 3dB under electromagnetic interference.

FREQUENCY RESPONSE RANGE

	Frequency response range	MAX input	MAX output	Input resistance	THD	Output resistance	Noise floor
REC IN	20Hz~20KHz	+4dB		120KΩ			
MUSIC OUT	20Hz~20KHz		+6dbu		Less than 0.5%	120Ω	-94dbu(Amplitude)
FM OUT	30Hz~15KHz		+0dbu		Less than 0.5%	120Ω	-102dbu(Amplitude), Turn the volume to"0"
MIX OUT	MUSIC OUT and FM OUT are mixed, the performance parameters are the same as MUSIC OUT or FM OUT						
Main power input	DC 15V 800mA(external adapter)						
Backup power input	24V 500mA (Note: There will be 1~2S interruption when the main power supply and the backup power supply are switched)						
FM							
Frequency Range	87.5~108.0M						
Receive sensitivity	1.1uV EMF at (S+N)/N = 26dB						
Stereo SNR	58dBu						
SD/USB							
The MAX capacity	32G						
Sampling frequency	48K						
Bit	16Bit						
Code rate	128K/S						
Available playing format	MP3/WMA/WAV						
Available recording format	MP3						
USB/SD	Bit						16bit
	Sampling frequency						48K
	Bit rate						128KB/S
	Support						USB2.0

4. Add Time Rule

1). Media-Setting



- a. Media: To select sound sources such as USB/SD.
 - b. Trigger: To select playback status (play/pause).
 - c. Song Mode: Play mode
 - h. Track No: To select the serial number of songs listed
 - k. Timer Mode: To setup the timing mode
 - l. FM-Track: To set specific time.
 - f. All above setting completed, Click " f "to save relative information to tablet.
- Note: Once all settings completed, click "Save To Device"box to save all.

2). FM-Setting

- d. FM-Status: To select playback status (pause/play).
- i. FM-Track: To select the presave from M1 to M4.

3). Control Output 1/2.

Click "e", "j", Enter setting status: ON/OFF.

If time up, output 1 and output 2 will perform according to setting time.

Once above information setting completed, Click "f" to save them in tablet.

Note: Once all settings completed, click "Save To Device"box to save all.

5. Save All To Device

- 1). 6.5.1 Save all settings into device.

Timing broadcast

Adding timing-playback plan, The up to set timing plan for 500 PCS one time with following playback plan for each PC.

- * When: one time, every day, every week or every month as options for playback time.
- * What: Play a MP3 file or a folder which includes 1000 songs (MP3 format).
- * How long: Playback seconds or times can be limited.
- * Playback sequency: the files in the folder can be played sequentially or randomly.
- * Date range: Specifies the effective date range of the playback plan.

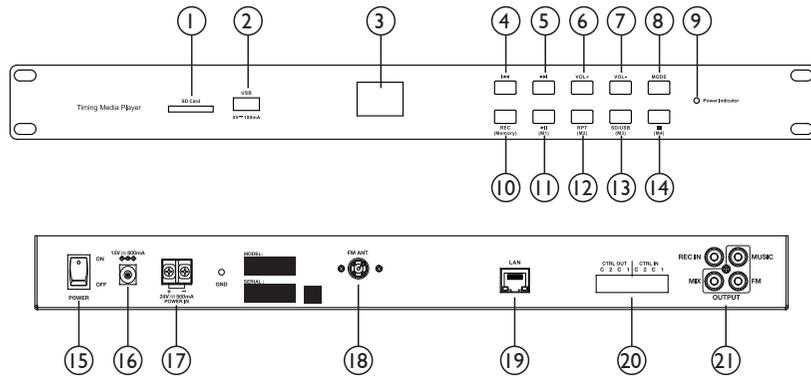
Software function description

Play music automatically based on the time set, Set multiple time periods freely, Many songs can be played in one time period and the number of playback cycles can be set too. Simultaneously it is available to set not to playback on holiday and can be played once by day, week, month, specified date or temporarily. Support to playback sequencily or randomly. Support directory playback.

Background music playback

Multiple playback plans can be made usually. Such as playing music in the recess and exercises time of school each day or to play background music everyday in the factory. In the enterprise office area, it can play commute music every day, and it can also be used to ring the bell regularly at school (play the bell).

NAME & FUNCTION DESCRIPTION FOR EACH PART



1. SD card slot

2. USB port

3. LCD display

4. Last song, FM frequency goes down

5. Next song, FM frequency goes up

6. Voice increases

7. Voice reduces

8. Mode switching

Shortly press to switch FM/MP3.

Press and hold the switch to enter time-adjustment page.

9. Power indicator (Green lights after powered normally).

10. MP3 recording and FM save preset button.

11. Play/Pause

12. Function switching

13. USB/SD mode switching

14. Stop

15. Power Switch

16. DC power supplier input port (connected to DC15V power supply)

17. DC power supply port (connected to DC24V power supply)

18. FM antenna port

19. Network gate port.

3. Function-Ctrl In/out Setup

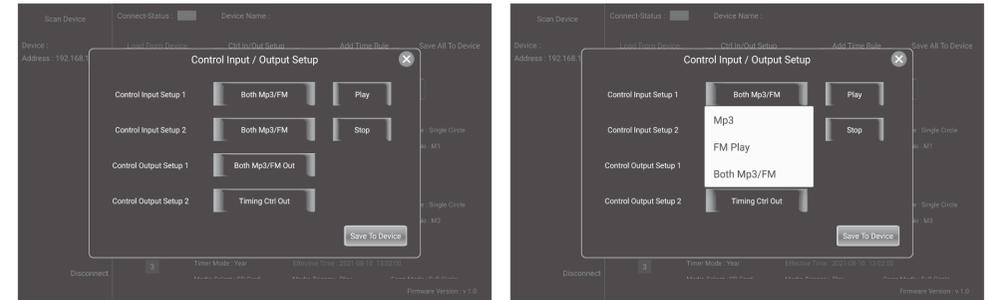
1). "Ctrl In1 of 2"

To setup commands to be performed as following in dialog box"Control Input/Output Setup"

- "MP3" "FM""Both MP3/FM" means play or pause.

Click "Save To Device" to save.

When control input 1 and input 2 on the rear panel of trigger are shorted, it will excute corresponding set commands .



2). "Ctrl Out 1/2"

To setup commands as following dialog box"Control Input/Output Setup "

- "Time Ctrl Out": Click the box to start corresponding relay.

- "MP3 out": Click the box to start corresponding relay or closed during playing MP3 files.

- "FM out": Click the box to start corresponding relay or closed during playing FM files.

- "Both Mp3/FM out": Click the box to start corresponding relay or closed during playing FM and mp3 files simultaneously.

Click "Save To Device" box to save it.

At this time setting function starts.

1). (Play in MP3 mode)

- Insert SD or USB card, Press down "mode" button to choose MP3 mode for playing. Then press down "SD/USB" button again to insert sound sources.
- Shortly press "m" button to enter USB/SD mode switching.
- Shortly press "d" button for pervious songs and shortly press "e" button for next songs.
- Shortly press "f" button to rise voice volume by 1, Shortly press "g" button to reduce voice volume by 1.
- Shortly press "i" button to cycle mode switching. I(single)/A(all)/R(random)/F(loop in current folder).
- Shortly press "n" button to stop MP3 audio.

2). (FM mode play)

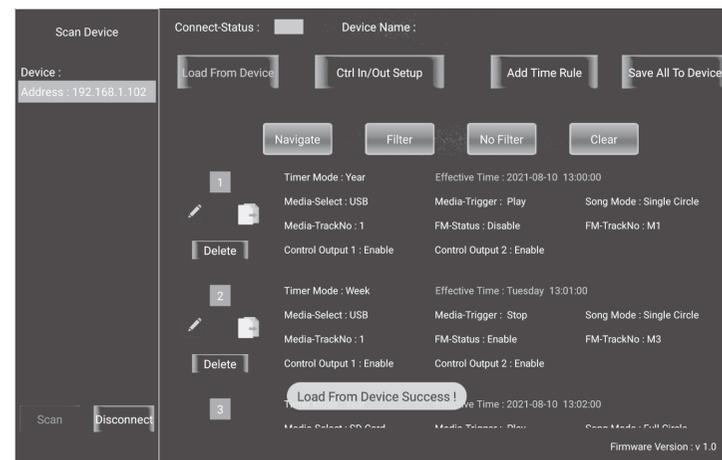
Press down "mode" button to enter FM mode .

- Shortly press "d" button to rise frequency by 0.1MHZ, Shortly press "e" button to reduce frequency by 0.1MHZ.
- Press and hold "f" button for 3 seconds to search upper frequency, Press and hold "g" button for 3 seconds to search lower frequency Stop searching and play automatically once signal frequency found.
- Press "j" button to enter any shortcut key to save radio station to M1-M4, It means to press down corresponding "k", "l", "m" or "n" button.
- Press and hold "n" button for 3 seconds to stop FM audio.

3). Recording

- Input audio signal via "u" input port on rear panel.
- Shortly press "j" button to enter recording mode.
- Press down "k" button to pause, Press down "n" button to end recording. To save automatically it to the USB/SD of current page.
- MP3 as the format of recording files, The folder will be automatically generated at this time.

- 7). Select the IP address applied on the unit which needs updating, Click "connect" box, The green will light for "connection-status" indicator.



2. Function- load from device

- 1). "navigate" used to search quickly based on the number in the exported or existing preset information and jump to the specified number information.



ANDROID CONTROL SOFTWARE

I. Device Linkage

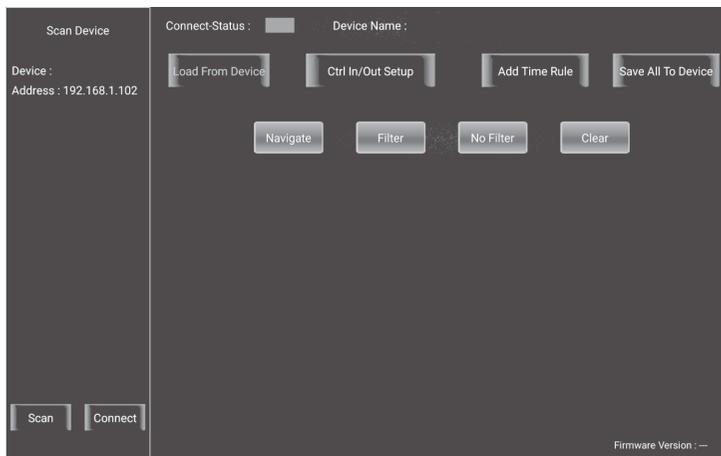
- 1). Link the unit with your router
- 2). Proceed related operation with an android tablet
- 3). Connect the tablet to the router's wifi of your unit.
- 4). Install the "software update" APP software.
- 5). Start APP software

Timing Media-Play System



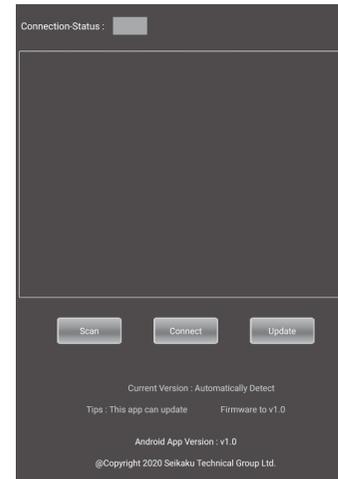
Android App Version : v1.0

- 6). Click "scan" to display device name &IP address.

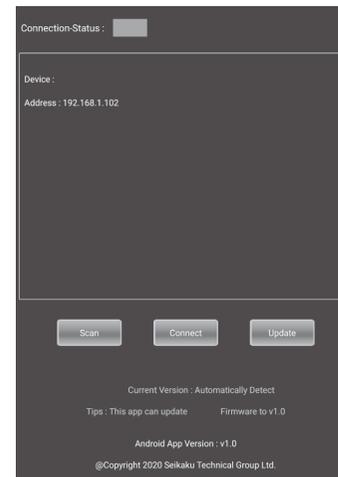


FIRMWARE UPDATES

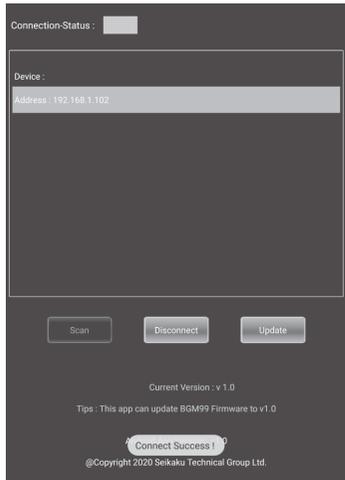
1. Link the unit's LAN port with your router.
2. Proceed related operation with an android tablet
 - 1). Connect the tablet to the router's wifi of your unit.
 - 2). Install the "software update" APP software.
 - 3). Start App software



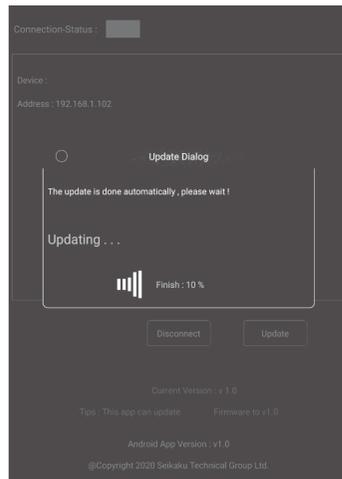
- 4). Click "scan" to display device name &IP address.



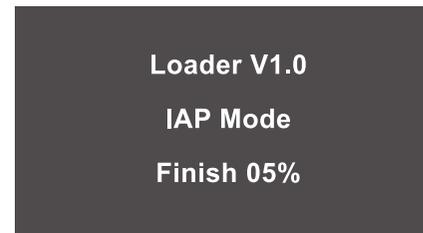
5). Select the IP address applied on the unit which needs updating. Click "connect" box, The green will light for "connection-status" indicator.



6). Click "update" box or "start update" box



7). Enter updating status, below contents will be displayed.



8). A prompt dialog box pops up once updating completed.

