User Manual

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1.   Introduction

Thank you for purchasing i-Frame - high-performance and low-cost digital signage platform with LAN/internet connectivity that allows you to play multimedia content in Full HD quality.
The user interface is easy to understand and no additional software is required. Simply insert the memory card or set-up network connection and you can play the media files from selected source.
There are following models available – **i-Frame HOME, i-Frame HOME2** and **i-Frame SIGN**.

i-Frame HOME presents standalone device that features wooden frame in size ~50x70cm and full-HD IPS LED panel. It can be used as a standard frame on the wall with very rich digital photoframe features.
i-Frame HOME2 replaces model **HOME** . This model is based on 32" professional industry class AMVA panel, it features wooden frame in size ~46x80cm. New construction allows to replace the wooden frame (standard colours – black, natural wood, white, cherry brown) very easily and customized to requested design.
-Frame HOME2-XL is based on 46" professional industry class AMVA panel, dimension is 110x60cm.

i-Frame SIGN contains identical electronics as i-Frame HOME, the only difference is in missing display which can allow to connect the device to any device that contains HDMI input connector. It is mostly used for in Digital Signage industry, however can be used as well at home and connected to large flat TV devices. The i-Frame SIGN can be attached to rear side of TV via VESA standard holes, eventually there is i-Frame VESA 200/400mm holder available.

 For presentation from local or internal memory there is no additional settings necessary, for presentation from intranet or internet (incl. Flickr) you have to set wireless connection with credentials.
The i-Frame devices are ideal for advertising, retail displays, museum exhibits, galleries, home usage and other applications. The possibility of remote content management via internet without any additional fee and automatic slideshow synchronization with remote source makes it eligible also for maintenance free usage. Just switch it on and the i-Frame can start the show automatically. You can use built-in advanced Timers (internet connection required) or any simple programmable outlet timer to switch it on and off at favourite time

2.   Product Features

- Wireless multimedia device WiFi-N / LAN (HOME2-XL, SIGN) connectivity
- Supports different multimedia sources
  Internal memory (1GB), USB/microSD, LAN (SMB/UPnP), Internet, Flickr, FTP, websources...
- Photo slideshow with music on the background
- Supported formats
  VIDEO (MPEG4, MKV,AVI,TS,VOB,MPG, MP4, MOV,3GP...),
  PICTURE (JPG,BMP,GIF,BMP,TIFF)
  WWW (ASCII text with filename ABC.www. Each line contains 1 www address.Time delay between lines corresponds to the current Delay valid for Slideshow.
  PLST (Playlist file, ASCII text with filename ABC.plst. Each line contains command for 1 item within Slideshow)
  IFR system command file (for internal memory operations - copy, delete...)
- Built-in HTML5 browser (http+https) able to run in Slideshow or standalone
- Mix content play (Photo/Video/WWW)
- Autoplay for all media formats support
- Slideshow of all sub-directories
- Landscape / Portrait presentation mode
- Multiple transition effects, flying text, fixed image (multi-layer system)
- Remote Slideshow synchronization/update over LAN or internet
- Full HD resolution with HDMI output, portrait/landscape, 50/60Hz
- Multi language
- Centralized remote surveillance of running devices
- Fan less design (silent operation)
- and more......

3. Usage Scenarios

- Maintenance and advertisement in public spaces (shops, hospitals..).
- Operation with remote control over internet (can be used by non-IT users e.g. older parents) by other distant person (family). Family then can change the content of Slideshow by adjusting of own Flickr account or via VPN.
- Connection and all content will be synchronized. Therefore only ON/OFF can be required by local user.

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- Presentations (with description) controlled and monitored from one place (web portal, VPN, Flickr, FTP, SMB).
- Instant home direct presentation of ALL photos/videos stored in NAS (the most safe and suitable place for photo/video)

4. Package Contents

i-Frame HOME2

1. i-Frame HOME2 device
2. Remote Control
3. User Manual
4. "Invisible" transparent extension 3m cord

i-Frame SIGN

1. i-Frame SIGN device
2. Remote Control
3. External Infra sensor
4. User Manual
5. Power Adapter

5. Hardware Overview

i-Frame HOME2

1x USB slot: can be used for USB memory, USB keyboard or USB mouse (faster data input)
1 x microSD slot: for memory card
WiFi antenna: non removable antenna for WiFi 802.11 b/g/n connectivity
Audio out (L+R), cinch connection
Audio in (L+R), cinch connection
LAN RJ-45 port : HOME2-XL only
IrDa built in receiver

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2x USB slot:. used for USB memory, USB keyboard or USB mouse , USB numbering depends on the insertion order, not USB slot position.
1 x microSD slot: for memory card
LAN RJ-45 port: wired Ethernet 10/100Mbps connection (RJ45 connector)
HDMI out: Full HD video+audio output (connected to monitor/TV)
DC in: DC input from Power adapter (use only supplied adapter)
Memory slot protection cover: secured by screws against unauthorised removal.
VESA mounting: mount holes 75/100mm on metal case
(200/400mm available with adapter – optional)
External Infra sensor connector: 2,5" jack connector for external IrDA sensor

6. Remote Control

The Remote Control is powered from 1x CR2025 3V battery.
To replace the battery, simply press the lock at battery cover and remove the cover with battery.

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7. Starting the i-Frame

7.1. Powering i-Frame

1. Connect to power socket, eventually use HDMI video cable to connect i-Frame Sign and TV or monitor.
2. With HOME2, check if needed to use manual switch next to power cord, then use RC and power the device.
3. If you want to present from local memory, insert the memory into the USB or microSD slot. All slots are hot-plug, so you can insert the memory also while the device is running. *(if you want present from internal memory, it is needed first to copy files there)*

Init screen, system searching for predefined and autorun folders (max=60sec)
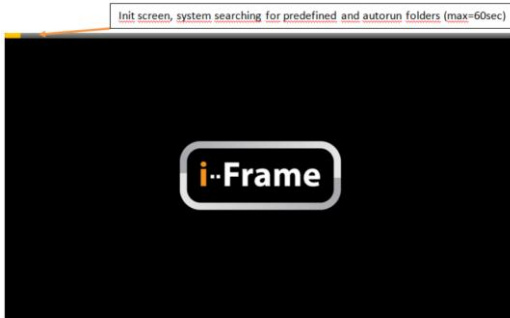
7.2. Main Menu

The main screen will show up after power on by default.
(if set Autostart ON (not default), the Slideshow will start automatically).

Main screen layout consists of 4 regions:

1. System Menu (System settings)
(3 dots on the right top) for Device, Network and Display setting update, SW status…

2. Main Menu
Memory – internal memory on board, size is 1,3GB.This location is handled via *.ifr system files (explained later) or direct Web access
Memory card slots
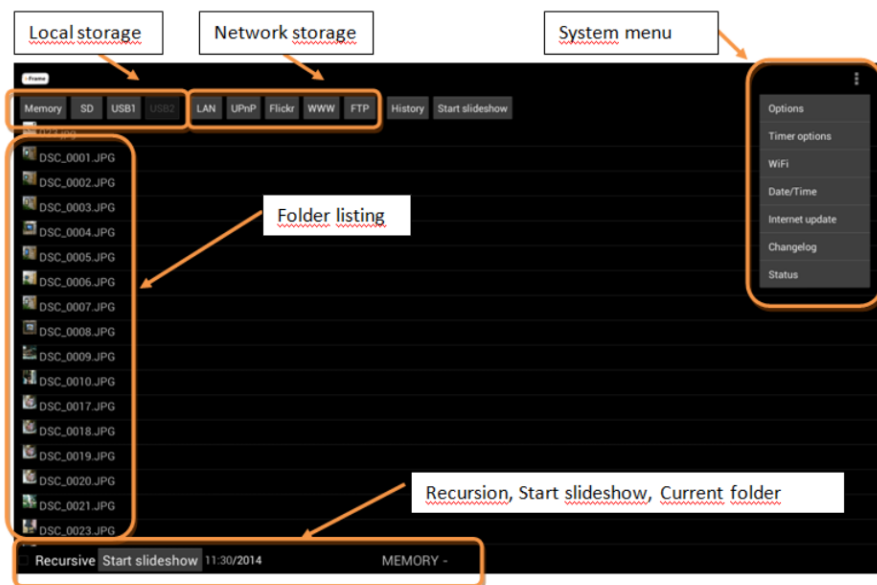1xmicroSD, 2xUSB 2.0.,available/inserted memory is highlighted

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Network media sources for presentation:
LAN
Network Samba server (standard network storage used in Windows, NAS)
UPnP
Any available UPnP/DLNA media source within local network

Flickr
World #1 photo internet cloud storage for your media files (www.flickr.com)

WWW – html page as defined in WWW option

FTP – server accessible via File Transfer Protocol

History – list of recent Slideshow media sources with possibility to run any address (this list makes the future slideshow from different sources very fast to access, it works as "bookmarks"). The most recent (top line) is the active source for Autostart.
Note:Manual presentations are not stored in the History list, except of www and plst files.
The selected Slideshow runs according the current device settings (Delay, Transition,Recursion...).
There is a special History item as default that allows to quickly access the

I-FRAME FLICKR DEMO account.

Start Slideshow – starts the Slideshow (2 identical locations)

3. Folder selection

Browsing and selection of folders and files.
Note: when in Folder selection, you get promptly to Main Menu with Left arrow and to Recursive & Start Slideshow with Right arrow

4. Recursive & Start Slideshow

Marking the "Recursive" option allows you to include all files and subfolders in Slideshow.
Start Slideshow starts the Slideshow according the selected parameters.
The Sideshow can be Paused anytime (OK) and then can continue (OK) or if needed picture rotation, then arrows left/right cause 90degrees rotation (CCW/CW).

8. Settings

System Menu is accessible by cursor buttons (3 dots in upper right corner) or directly pressing Menu button on RC while being in Main screen.
System Settings will show following:

Options

Detailed settings of i-Frame, explained on page 11.

Timer options

Timers allow to define scenarios how the device will be switched ON/OFF.
When Timer scenario is completed then it appears in basic Timers list.
Please note – Timers relies on TIME&DATE settings from internet , therefore it is needed to have working internet connection.

WiFi

WiFi is enabled by default and it is needed to set up for
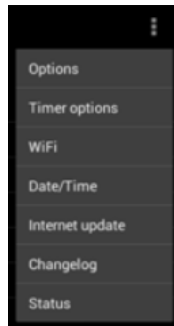
your WiFi connection.

Note: For i-Frame SIGN and HOME2-XL the RJ-45 slot can be used as well, default settings is DHCP automatic configuration) For reliable operation of LAN Ethernet connection, it is recommended to disable WiFi access temporarily.

Date/Time

Settings of current Date/Time, highly recommended settings is Automatic (requires internet connection). Don't forget to set your GMT zone.
Note: If you need to adjust a display resolution or orientation, use this option as well and follow Display settings.
I-Frame has default 720p output resolution for SIGN and 1080p for HOME2. If your TV/monitor allows using of higher resolution, please set it accordingly (full HD=1080p, HD-ready=720p). Then it is recommended to check the display position and size and eventually to make an adjustment (each output resolution requires separate display adjustment). For certain special conditions, there are 50Hz modes available (if do not why to use 50Hz, then use 60Hz settings)
Here is possible to make a screen rotation (Screen mode) for HOME2 and newer edition of SIGN

Internet update

i-Frame checks the latest firmware version on Internet.

Changelog

The text file with all firmware revisions history appears.
Note – as this file is downloaded from server, internet connection is required.

```
i-Frame Version  - 2.4.23
WIFI MAC         - 00:22:F4:E2:47:4E
IP               - 192.168.0.195
Fixed SMB server - None
Fixed FTP server - @ftp.i-frame.net
Flickr account   - None
Device name      - i-FRAME-00:22:f4:e2:47:4e
File Mask        - All visible
Date Mask        - Disabled
Repeated Reboot  - Not Set
_____
Internal memory  - 665 MB Free
SD card          - 7130 MB Free
USB1             - 238 MB Free
USB2             - Not present

                              OK
```

Status

General information about current i-Frame device.

OPTIONS - Display options

Delay

Time between the consecutive photos during Slideshow (Range 1sec – 100hrs)

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Layout

Layout of the Slideshow defines design of current Slideshow. Following options

<u>Fullscreen Dissolve (default)</u>
<u>Fullscreen Fade in/out</u>
<u>Four regions</u> – photo can be placed variably into different regions (various size)
<u>Four regions centered</u> – photos are placed equally into 4 regions
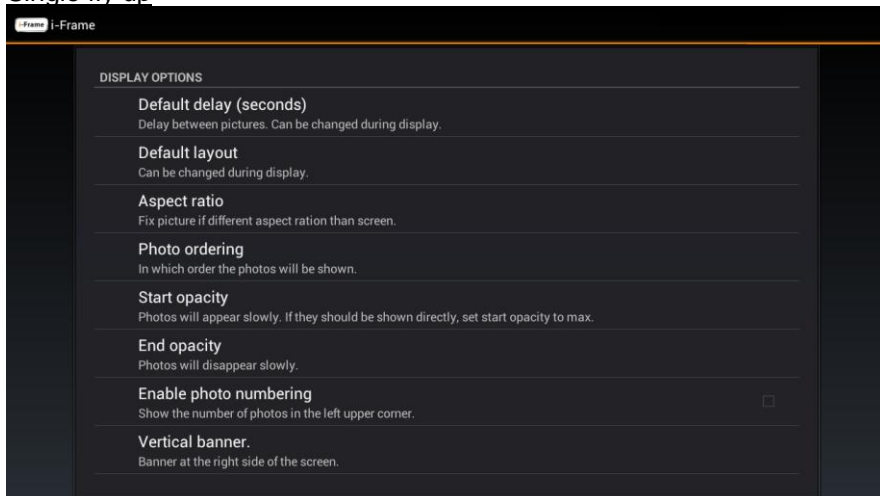<u>Random photo placer</u>
<u>Four corners</u>
<u>Single fly by</u> – single photo will come from left side moving
<u>Double fly by</u>
<u>Random fly by</u>
<u>Single fly down</u>
<u>Single fly up</u>

Transition

Here is possible to define style of transition between 2 items in Slideshow. Available following options

<u>Dissolve</u>
<u>Fade in, fade out</u>
<u>Zoom in</u>
<u>Zoom out</u>
<u>Slide left</u>
<u>Slide right</u>
<u>Random</u>
<u>None</u>
<u>Zoom effect</u>

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Grayscale effect
Page turn
Blinds
Zoom in effect

Aspect ratio
Selection how the screen will be filled out
There are 3 options
Default – photo is displayed with exact aspect ratio as original
Max visible (Aspect ratio preserved) – Photo will use maximum of screen
with original aspect ratio. The photo will have mostly border region removed,
as the screen ratio is 16:9 and photo will not cover full screen
Max visible (Aspect ratio changed) – photo will cover full screen and is
adjusted to the screen aspect ratio (therefore not original). Photo is usually
heavily modified.

Photo order
It defines the order how the files and folders are displayed in folder
selection and consequently in Slideshow (random order appears only
during Slideshow)
Random selection – each presentation is unique as the order will be
random
Alphabetic order – It works for all items (Folders&Files)
Timestamp order – order according time information
Alphabetic order (keep folder structure) – useful for "Recursion ON". The
order will follow first the directories and then the files.

Start opacity
It defines how slowly/quickly will be new photo displayed (fade-in). Range
0-255, value 0 means slow appearance, value 255 is instant photo
appearance. Mostly not needed to change this value.

End opacity
It defines how slowly/quickly current photo will disappear (fade-out). Range
0-255, value 0 means slow fade-out, value 255 is instant fade-out. Mostly
not needed to change this value.

Banner options
Enable/disable vertical banner of the display on the right side.
There are following submenus
  o **Vertical banner left**
  o **Vertical banner right**

- **Horizontal banner top**
- **Horizontal banner bottom**
- **Text speed**
- **RSS loation**
- **Background color**
- **Text font**
- **Color font**

Horizontal/Vertical banner top/bottom
Vertical banner left/right
Enable/disable banners around the display.
There are following options
None – banner disabled
Fixed image (Device name.JPG) – it displays single image during complete
Slideshow. This file must be in JPG format and placed in top directory of the
Slideshow with identical name as "Device name" – e.g. iframe.jpg
Text from file (Device name.TXT) – it displays the text from ASCII text
during complete Slideshow. This file must have TXT extension placed in top
directory of the Slideshow with identical name as "Device name" – e.g.
iframe.txt (if Device name is "iframe")
This option is suitable for horizontal orientation of i-Frame device.
Clock – it displays analogue clock
Photo information – if there is identical TXT file as current photo (e.g.
pic1.jpg and pic1.txt), then this TXT file is displayed with the photo.
If there is not such TXT file, the filename and date of the current photo is
displayed. This option is suitable for horizontal orientation of i-Frame device.
RSS – the RSS feed is taken according to the RSS location address
settings .

Text speed
If displayed text is longer then screen, then it starts scrolling. Here is
possible to select speed of scrolling
Very slow
Slow
Normal
Fast
Very fast

RSS location
This field defines the RSS feed address when RSS option for banner
selected.

Background location

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Here is possible to define background of enabled banner.
Available following colours:
Black/Blue/Dark gray/Gray/Green/Light gray/Magenta/Red/White/Yellow

Text font
Here is possible to choose from more then 20 various fonts (normal, bold..)

Color font
Font settings for text banner.
Available following colors:
Black/Blue/Dark gray/Gray/Green/Light gray/Magenta/Red/White/Yellow

File mask for Slideshow
Here is possible to select (a mask) what types of files are visible in
Slideshow .
Show photos
Show videos
Show www lists (.www)
Show playlists (.plst)
The **WWW file** is plain ASCII text with filename ABC.www (using
Notepad.exe in Windows means Saving with ANSI Code page, otherwise
there will be added some reserved bytes in the header of the file (Unicode,
UTF-8), which could cause problem in processing of first line).
Each line contains 1 www address, possible to use short names (w/o http or
www). Time delay between lines corresponds to the current Delay valid for
Slideshow.
The **PLST file** (Playlist file) is plain ASCII text with filename ABC.plst. Each
line contains full command for one item within Slideshow. Full details on
PLST specification in Chapter 8 – Default settings

Date mask for Slideshow
Here is possible to select what files are visible within Slideshow, based on
Date information.
Activate mask type (Disabled, Fixed date, Fixed period)
Fixed date (the Slideshow will include files from present date to to the
Fixed date as the oldest)
Fixed period (the Slideshow will include files within this period only.
Example – when set 7days, then Slideshow displays files only from last 7
days only. When Reload enabled, then every new day the files beyond 7

days limit will be excluded from Slideshow and new files from current day will be loaded automatically)

Note – please check the current date settings (visible in System Menu – Date&Time or here in Options – Date mask for Slideshow). When no internet connection, device will set current date to default 1/1/1970. This will be modified when internet connection available !

Date format
Selection of 12hr/24hr time format

Enable portrait mode
It enables/disables reading of orientation information from EXIF. If selected, all photos are displayed in Portrait mode . Suitable for Slideshow of selected portrait photos.

OPTIONS - Network options

LAN server
As the standard LAN item in menu can search/browse just within current local LAN subnet, this settings is required in following cases
1. Local LAN server, located in the same subnet. Then this option will speed up the availability of this server (typically – 1server in home network)
2. Local LAN server located in other subnet. Then this option is the only way how to reach such server (standard LAN/uPNP search/browse can work in single subnet only)
3. Remote LAN server located anywhere on internet. This option is the only way how to reach this server
 Note: When used for accessing of remote SMB server, it is often necessary to provide/enable the SMB access on remote router/firewall. Standard open ports required for accessing of the Samba shares are 139 and 445, FTP protocol requires port 21.
Fixed server
IP address of LAN server
Username
Password
Domain (optional)

FTP server

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FTP server
IP address of FTP server used for browsing via FTP option in Main Menu.
When requested to use special FTP port (other then 21), use syntax
IP_FTP_SERVER:port
FTP user
FTP password

Web browser options

WWW starts with
Homepage (as defined in WWW address)
Empty
Using WWW menu item in Main Menu will bring empty screen. Within
browser using Menu key on Remote Control will open Bookmark Submenu,
where is possible to store favourite websites or load website from this list.
Other option how to run html pages (even during Slideshow as standard
item) is in using of **www file** from Folder selection.

WWW address
This URL address of html page will be used with WWW menu item in Main
Menu (e.g. html://www.i-frame.net, www.-frame.net,i-frame.net)

Preferred WWW desktop version
This option enables to display the html page in full desktop mode as
preferred.

Flickr account name
i-Frame supports direct access to the Flickr accounts.
To be able to view Slideshow from Flickr, it is required first to enter the
Flickr web address of desired Flickr Photostream.
Note: As there have been considerable positive changes in May regarding
Flickr user account policy, generally we can summarize there is up to 1TB
free space, up to 60 collection, max 200MB/1 picture, max 1GB/1 video (up
to 3mins duration). Complete info can be found at
http://www.flickr.com/help/limits/#150470666
To be able to provide the photos for i-Frame, it is required to create unique
Flickr web_address (You – Your_account – Your Flickr web address) – e.g.
http://www.flickr.com/photos/naviion/ *. In this example, the word "naviion" is the*
unique web_address and must be entered in the "Flickr account name"
dialog.

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This web_address must be entered prior entering Flickr from Main Menu.

Flickr quality
It defines quality of downloaded/presented pictures from Flickr.
There are 3 levels
<u>Low</u> = approx VGA quality
<u>Medium</u> = approx HD ready quality
<u>High</u> = approx Full HD quality
As Flickr is providing various formats from the original pictures on the fly upon request of i-Frame, the exact format/aspect ratio and resolution is based on original files.
Note: Please be aware this selection has significant impact on volume of transferred data from server to i-Frame device.

Enable reload
Synchronization function, for LAN/Flickr/UPnP Slideshow..
It enables/disables reload/synchronization of the current running Slideshow with the remote original Slideshow source. Upon content change on remote server location, the current running Slideshow will be adjusted automatically.

Reload interval
It defines interval between 2 consecutive controls of server content.
Range 1sec – 100hrs. Enable reload must be checked.

FTP reporting

FTP account
It defines the i-Frame account where is device reporting/monitoring to.
Standard scenario – Let's create an i-Frame account on www.i-frame.net web portal . Then, enter this account name into this filed. As a result, you can follow then all i-Frame devices (separated by unique Device_names – see Device name item) that belong to this account (grouping).Now you can get device survey, if running, when being switched on/off, what Slideshow items displayed etc...).
Note: First, there must exist such an account on i-frame webportal, if not, start on www.i-frame.net first.

FTP reporting
It enables/disables reporting to i-frame.net web portal.

FTP server

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Change only when there is request to use CMS portal

FTP user / FTP password
Credentials for CMS portal.

Delay between checks
Default 60sec, interval when device communicates with CMS server

Include files and folders
XML file used for remote communication with CMS server will contain full file listing of all local storage locations (Memory, USB, microSD). It can heavily increase data traffic (due to high number files and folders)

OPTIONS - Audio options

Background music
It enables MP3 music playback during the Slideshow.
The MP3 file(s) must be placed in top directory of the current Slideshow.
There are following options
Off – music is not played
Sequential order – music files are played in the order exactly as displayed
Shuffle – music files are played in random order
Note: MP3 files are visible in Folder selection, but cannot be selected directly. The visibility is for review of available music files only.

Volume
Range 0-100, can by adjusted during playback from remote control as well (keys on the side of Remote Control)

OPTIONS - System options

Start Slideshow after reboot
It enables/disables ability to run immediately after restart the last used Slideshow (top line in History).

Copy remote files

This feature enables unique non-streaming function . First, all requested files for Slideshow are copied to Local memory (must be inserted microSD or USB). Then, the Slideshow is played from this local memory only (therefore no streaming for every picture)

This function is very useful for limited internet connection bandwidth or for simultaneous running devices when more video streams could be requested at the same time. In such situation,Wifi router can not provide sufficient bandwidth.

Important – when the reload/synchronization function enabled, then upon change of remote files for Slideshow, the files in local memory are synchronized on the background during running Slideshow.

Note: When enabled, it can take long time first to copy all files to i-Frame local memory when Slideshow contains a lot of files.

Copy folder

Here the local storage folder for copied files on USB or microSD is defined. When Copy remote files enabled, then each remote Slideshow creates local copy (in subfolder).

3 locations available – SD (default), USB1, USB2 (very rare case)

Visible information

Selection of status/progress information displayed on screen.

Enable photo numbering (Total number of photos and current position)

Display progress rotational circle (Show indicator of progress/loading during the Slideshow in the right bottom corner)

Check for update (Check for system update over internet. If found, warning message is displayed in bottom line ("New firmware available"). Nothing is processed automatically, it is required to run update manually (Internet update from System Menu)

All status information about loading during slideshow
(Enables/disables all progress messages during Slideshow)

Device name

Device name is used for
-    Using of system special files in Vertical/Horizontal banner
-    FTP communication and recognition during FTP reporting and remote control (when enabled)

Default name is i-Frame + WiFi MAC address.

Enable watchdog

This enables watchdog that monitors the Slideshows and restarts i-frame device automatically on failure (frozen picture, no response from system...)

Reboot options

Options to Reboot the device
Repeated Reboot (Enabled, Disabled)

Repeated Reboot Time (If enabled, then device i restarted at this time every day)

Immediate Reboot (Device is immediately restarted)

Web interface

i-Frame device contains web server that allows direct access to i-Frame via LAN in any web browser. *Note - any change requires restart of device.*
Enable web interface (Enabled / Disabled)

Web interface port (default port 8080, can be set any – to access the device in browser, type IP:port in command line, e.g. 192.168.0.100:8080
Username / Password (for device access, default "admin/i-frame")

Language

Selection of requested language (English, German, French, Spanish, Czech, Dutch, Portuguese), English default.

Load settings

File iframe_settings.xml (placed in root of USB or microSD) is loaded into system. Settings contain the History.

Save settings

Current settings are saved in file iframe_settings.xml (placed in root of USB or microSD). Settings contain the History.

Default settings

It returns back all settings into factory default setting:

Delay between pics	
Layout	Dissolve
Aspect ratio	Default
Order of files	Alphabetic
Start opacity	0

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End opacity	0
Show numbering	Enabled
Vertical banner	None
Horizonal banner	None
Text speed	Normal
Photo/Video	Photo + Video + www
Date format	dd/MM/yyyy kk:mm
Music	Off
Volume	50
Reload of files	Disabled
Reload check interval	60
Fixed IP	Empty
Flickr account	Empty
Flickr quality	Low
Reboot enabled	Disabled
Folder selection after reboot	Disabled
Copy files before start	Disabled
Path of files	empty
Device Name	i-Frame-[MAC]
Languages	English
Max number of files	20.000
FTP Reporting	Disabled
FTP account	Empty

9. Remote access

Intranet direct access

Generally, this is direct access within own network. This can be used for larger remote installation but definitely there will happen security issues as open ports on the routers will be needed.
The biggest advantage is direct operation with device where all commands and reports are processed immediately.

This access relies on **Web interface** settings in Options. Default, communication is opened via port 8080, with credentials admin/i-frame (all can be modified).
Go to System Menu-Status, check current IP address assignment and type in any browser in command line IP_address:port (example 192.168.0.200:8080). Login popup will appear and enter credentials.
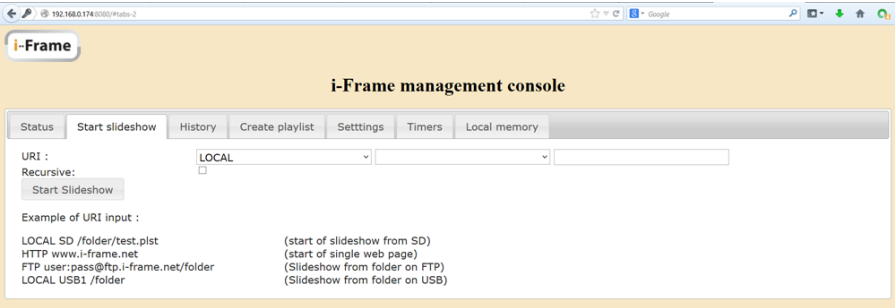
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The Web interface contains 7 sections (see bellow).
The i-Frame device can be fully controlled via this Web interface (including operation with internal memory).
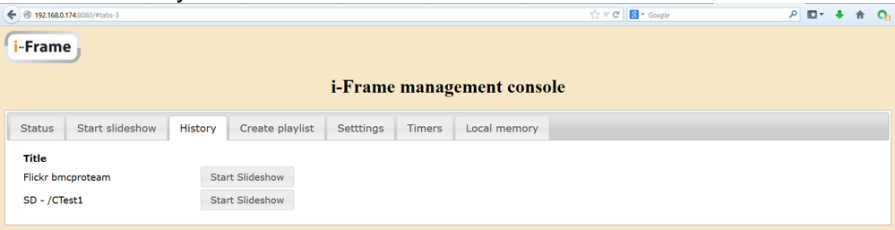
Section "Status"
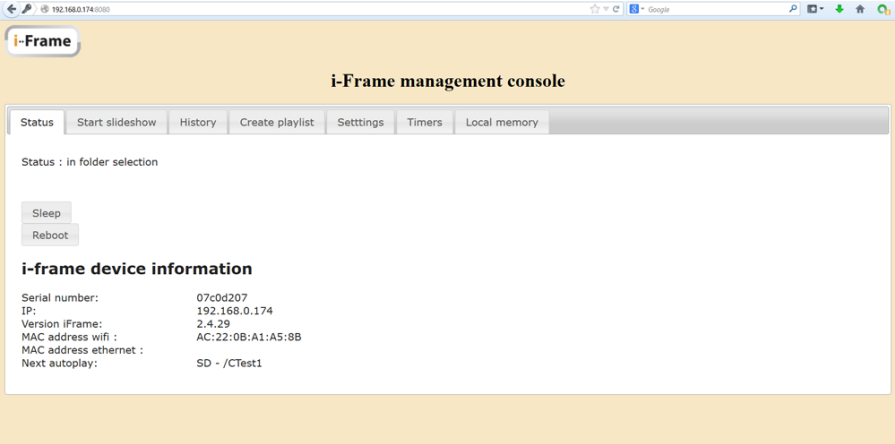
Section "Start slideshow"

Section "History"

Section "Create playlist"

Section "Settings"

Section "Timers"

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Section "Local Memory"

Internet indirect remote access

This is the most generic type of remote control. This communication is accomplished via independent ftp server. Default used is system i-frame server however communication can be forwarded to any server.
As the communication is based on full configuration XML file, full set of commands is supported and it is possible to change any parameter of the device.
This access relies on **FTP reporting** settings in Options. As the device is initializing the communication (out, upload), there is no port security issue and it can be used for large corporate installations. The device is acting according to the XML file located on server, regularly is checking it (can be set with **Delay between checks** parameter (default 60 sec) and in case of any new command or request from GUI of the CMS, the XML file is downloaded and processed in the device. As the final step , device confirms the current status with generation and uploading current XML file back to the server.
This XML file contains all parameters used in general device settings and add new commands for Device on/off, Start slideshow and Copy/Delete files to device.

10. Description of system files

PLST STRUCTURE

This PLAYLIST file can be manually started from filelist or automatically started upon USB/SD insertion (if filename is "autorun.plst").
Parameters are separated with "," symbol
Parameters are not case sensitive
- lines beginning with "#" and ";" are just comments
New line must begin with "SI:"or "HEADER," (HEADER, just once within each plst, it is valid for all SI: lines. If not defined in HEADER, then value inherits from device current settings)
D :   delay to the next photo (number in seconds), duration
HB :   Type of horizontal banner NONE, TEXT, IMAGE, CLOCK, INFO
VB :   Type of vertical banner NONE, TEXT, IMAGE, CLOCK, INFO
ORDER :   Ordering of the items RANDOM, NAME, TIME, PATH
COPY :   false/true if the files should be copied first
COPYLOC :   Location to copy to
TRANS :   Used transition to show the photo DISSOLVE, FADE_IN_OUT, ZOOM_IN, ZOOM_OUT, SLIDE_LEFT, SLIDE_RIGHT, RANDOM, NO_TRANSITION, #KEN_BURNS_ZOOM_OUT, GRAY_SCALE, PAGE_TURN, BLINDS
LAYOUT: Used layout FULLSCREEN, FOUR_REGIONS, FOUR_REGIONS_CENTERED, RANDOM, CORNERS, SINGLE_FLY, DOUBLE_FLY, RANDOM_FLY, #FLY_DOWN, FLY_UP, MAX
R :   Find photo also in subfolders (only for DIR)
 TEXT :   Speed of the text VERY_SLOW, SLOW, NORMAL, FAST, VERY_FAST
AR :   Aspect ratio of the image DEFAULT,STRETCH,ZOOM
NUMBER: Numbering TRUE, FALSE
TXIM_NAME :   Name of the identifier used to retrieve image or text file to be used in a banner. (No extension needed, only file name)
TXIM_LOCATION :   Location where the image or text file for the banner can be found.
SILENT: Surpress visible information during Slideshow, progress rotational circle, loading during slideshow ON, OFF
SIPREF: SI preferred item , that runs at defined time not in the sequential order
TIM: minute-based parameter within 1-hour cycle
SI: Slideshow line with file to be displayed
HEADER,   - special line defines global parameters for all plst items (otherwise parameter is valid in given line only)
SD, USB1, USB2, Memory – local storage. Can be used as well relative path to PLST folder, e.g. SI: Subfolder/123.jpg
FTP remote location – ftp.i-frame.net/123.jpg or with credentials ftp://username:pasword@ftp.i-frame.net/123.jpg
WWW remote location – http://www.cnn.com or www.cnn.com
STREAM remote location (when rtcp stream requested) – Stream://www.stream.net

Example of plst file

HEADER,D:10, LAYOUT:FULLSCREEN, NUMBER:FALSE, SILENT:ON, HB:NONE, VB:NONE, TRANS:DISSOLVE, TXIM_NAME : IF-show,TXIM_LOCATION: SD/iFrame

SI:ftp://70199:70199@ftp.i-frame.net/ds-13.jpg,,HB:info, VB:IMAGE
SI:http://www.i-frame.net
SI: FolderA/23.jpg
identiical location as PLST file, one folder deeper)
SI: USB1/iFrame/ABC.jpg, , ar:zoom, VB:image
SIPREF:stream://212.79.96.134:8015, TIM:30, D:300
This video stream will start repeatedly at reaching 30mins (12:30, 13:30 - according system time) and

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playback will last 5 minutes (300 sec)
****

PLST file is NOT case sensitive.
File locations can be following:
Sdcard, SD, Sda1=USB1, Sda2=USB2, Memory, www, ftp, smb….

IFR STRUCTURE

.ifr file allows operation with Memory (Memory can be controlled also via local Web access)
Parameters are not case sensitive
This file can be manually started from filelist or automatically started upon USB/SD insertion (if
filename is "autorun.ifr"). Processed is according following syntax (XML file):

```
<autocopy>
<copy from="USB1/Av" to="MEMORY/Averia/" DeleteBeforeCopy="true"/>
<start location="MEMORY/Av"/>
<delete location="MEMORY/Av"/>
</autocopy>
```

obligatory start /end
<Copy from="Source" to="Destination" DeleteBeforeCopy="true" Recursion="true"> if
DeleteBeforeCopy or Recursion not present then no Destination delete accomplished and no Recursion
<Start location="Storage_path"/> where is Slideshow immediately started from
<Delete location="Storage_path"/> deletes any file or folder

WWW STRUCTURE

Simple ASCII file with list of www pages (1line=1URL). Processed with current system Delay, therefore
repetition of URL address causes refresh of web page. For Windows users - using Notepad.exe in
Windows requests Saving with ANSI Code page, otherwise there will be added some reserved bytes in
the header of the file (Unicode, UTF-8), which could cause problem in processing of first line). Save
with *.* mask, otherwise there will append .TXT in filename (LIST.WWW.TXT) which device cannot
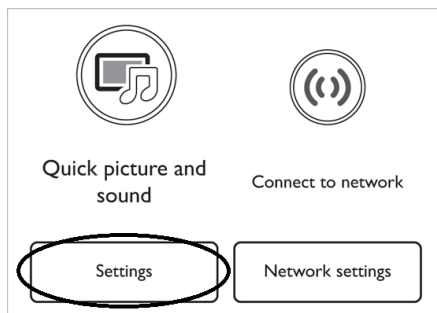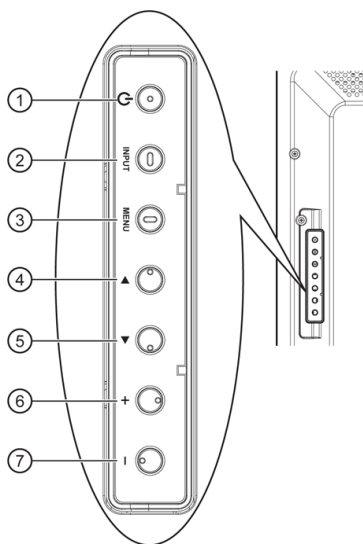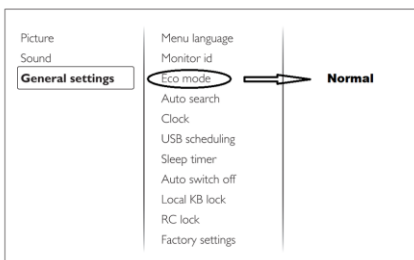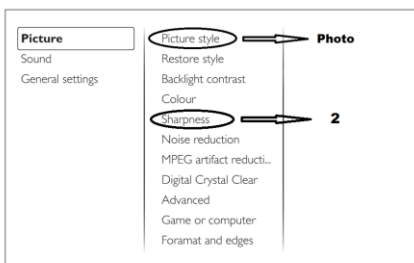recognize.
www.asc.com
http://www.123.com
http://www.123.com

11. HOME2 – manual monitor adjustment

Quick picture and sound

Connect to network

Settings

Network settings

Default settings

① **[POWER] button**
Press to switch the display on or off.

② **[INPUT] button**
Press to select input source.

③ **[MENU] button**
Press to access the OSD menu.

④ **[▲] button**
Press to move the highlight bar up to adjust the selected item while OSD menu is on.

⑤ **[▼] button**
Press to move the highlight bar down to adjust the selected item while OSD menu is on.

⑥ **[+] button**
Press to increase the adjustment while OSD menu is on, or to increase the audio output level while OSD menu is off.

⑦ **[—] button**
Press to decrease the adjustment while OSD menu is on, or to decrease the audio output level while OSD menu is off.

Picture	Picture style	→ Photo
Sound	Restore style	
General settings	Backlight contrast	
	Colour	
	Sharpness	→ 2
	Noise reduction	
	MPEG artifact reducti...	
	Digital Crystal Clear	
	Advanced	
	Game or computer	
	Foramat and edges	

Picture	Menu language	
Sound	Monitor id	
General settings	Eco mode	→ Normal
	Auto search	
	Clock	
	USB scheduling	
	Sleep timer	
	Auto switch off	
	Local KB lock	
	RC lock	
	Factory settings	

12. Limited Warranty

As the original purchaser of this product, you receive these warranties from Kobe s.r.o..

Your i-Frame (hereafter referred to as "Device") will be free from defects in material and workmanship and will perform in substantial compliance with your user documentation accompanying Device for one year from the purchase date providing proper use of Device.

Any unauthorized or improper use of Device may cause your warranty to become void.

Disclaimer
This limited warranty is the only warranty Kobe s.r.o. makes for Device. To the extent allowed by Law, no other warranty applies, whether expressed, implied, or statutory, including any warranty of merchantability, of fitness for a particular purpose, or of non-infringement. This warranty does not cover accidental damage, wear and tear, or consequential or incidental loss. Under no conditions is Kobe s.r.o. liable for loss of or damage to, a computer; nor loss of, or damage to, programs, records, or data; nor any consequential or incidental damages, even if Kobe s.r.o. has been informed of their possibility.

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