

Amati.linea Streaming Player with amplifier

Amati.linea Streaming player plays all your network music in HD quality staying design wise, powerfull and affordable. Streaming Player plays music from 32GB built-in flash, UPnP/DLNA servers, Airplay, FTP servers, Internet radios. KNXnet/IP support allows easy and fast audio control function, internet radio and specific song or folder mapping to KNX group addresses.

Not only the listening experience is made beautiful with SP, but the domestic visual experience as well. Streaming Player takes care of the flawless stream, the perfect timing needed to get so deep into your digital recordings, you'll completely rediscover everything you've ever heard in digital.



ISO 9001:2015

ENG - Data sheet

Issue date 26.11.2021

Application

Music integration into BMS, Multi-room, Control of whole music/player library from touch devices

Types of product			
AUDIO-DINSTA	Streaming Player with	h built ir	namplifier
Standards and norms compliar	nce		
EMC:	EN61000-6-1 EN61000-6-3		
РСТ	Certificate		
Technical data:			
Power supply: 7- Power consummation:	-36V DC 1.2W		Idle mode
Connectivity:	10BaseT/100BaseTX RS485 USB2.0 0-10V input Stereo output pair	1 1 1	1, for external volume control 1
Connections:	KNX bus: Power supply: Serial: IO: Stereo output	Clamp, Screw,	KNXnet/IP over Ethernet 1.5mm2, up-to 8A Clamp, 1.5mm2 Clamp, 1.5mm2
Operating elements	LED		1 – CPU load 1 - Activity
Audio	Audio formats	MP3, V	VAV, AAC, WMA, FLAC, lossless FLAC 96/24, 24/192
	Protocols supported		DLNA, UPnP, AirPlay, FTP, HTTP, KNXnet/IP, Modbus TCP/RTU
	Sampling frequencies Resolutions	5 32, 44,	48, 88, 96, 192 kHz 16, 20, 24 bit

Enclosure:	Material: Color: Dimensions:	Polyamide Gray 70(W)x90(H)x51(L) mm
Usage temperature: Storage temperature: Weight: Warranty:	-5C +45C -25C +55C 300g 2 years	



The installation and assembly of electrical equipment may only be performed by skilled electrician. The devices must not be used in any relation with equipment that supports, directly or indirectly, human health or life or with application that can result danger of people, animals or real value

Mounting advice

The devices are supplied in operational status. The cables connections included can be clamped to the housing if required.

Electrical connection

The devices are constructed for the operation of protective low voltage (SELV). Grounding of device is not needed. When switching the power supply on or off, power surges must be avoided.

Terminal connection scheme

Ch1	Ch2	24V RS485 <u></u> SUB
- +	- +	+ - A B & & F -

Default IP configuration

Login name	admin
Password	admin
IP address/mask	DHCP-client

1. Quick startup guide

The device may be used for installations in dry locations.

- 1. Connect your speakers (6-8 Ohms) to the Streaming Player's loudspeakers outputs
- 2. Connect Ethernet cable to LAN port (make sure the cable is interconnected with your local network)
- 3. Plug USB drive with music files in MP3, WAV, AAC, WMA, FLAC. **Note!** Please make sure USB is formatted with FAT/FAT32 file-system, NTFS is currently not supported.
- Connect power supply to Streaming Player (power supply's red pole to +24V, black GND.
 Note! Streaming Player supports two power sources, use any for connecting power supply)
- 5. To check if the wiring is done well, you can run any music file on your iPhone/iPOD and Share it to play on remote Airplay device (*amatilinea*).
- 6. Streaming Player is setup as DHCP-client. It uses Zero-config utility is called "Bonjour" by Apple which enables automatic discovery of computers, devices, and services on IP networks. iPod, iPhone have this utility pre-installed. For iPad use utility called **Discovery** (the server will be discovered in the service ROAP). On Windows 7 computer you can see the Player as Network share with name *amatilinea*, right click on it, Properties and you will see its IP address. Or you can simply check your DHCP server's lease list to find assigned IP to Streaming Player. More see here: <u>http://openrb.com/discover-ip-of-logic-machine-or-streaming-player/</u>
- 7. Enter Streaming Player's home page by typing IP address in your web browser.
- 8. DLNA/UPnP/Airplay services are enabled by default in the Streaming Player's Quick setup
- 9. Add additional music sources if any in the Streaming Player's *Quick setup* → *Services* → *FTP mountpoints*
- 10. Depending on count of music files the device will update its local database in Audio Player menu and you can start playing songs there
- 11. Connect by remote user interface (also called digital media controllers) from iPOD/iPhone/iPAD (*MPoD/MPaD* or any UPnP controller apps available as freeware at App

Store like *Kinsky*), Android-based phones (*Droid MPD*), PC (*Ario, Kinsky*). Choose the server (*amatilinea* or by IP) and start making your playlists, controlling the music etc. Update player's database with *Update Database* command from your remote controller. **It might take some time to do initial database update.**

- 12. Map music control functions to KNX in *Network config* \rightarrow *Network* \rightarrow *KNX Audio control* menu. Default login and password to access *Network config* is **admin / admin**
- 13. Please note that you have to **use external KNX IP Router** (e.g. Logic Machine 2) to access the KNX TP, as Streaming Player supports only KNXnet/IP (TP is not used due to sound quality distortions).

2. Amati.linea WEB-based configuration

Using IP assigned to Streaming Player, connect using web browser.

To access Network config, you need to enter login name and password.

Login	admin
Password	admin

← → C 🗋 192.168.	1.57			£2 ≡				
	amatilinea							
	Internal input	© S/PDIF 1	© S/PDIF 2					
	•0	Ø	4 ()					
	*		•					
	Lavoine - C	hère amie (Foutes mes e					
	تر Audio player	★ Quick setup	♦ Network config					

- *Audio Player* built-in music player/controller
- Quick setup audio related configuration
- *Network config* network related configuration

Default web page of the player provides quick player functionality.

On the top bar you can choose the player to control from your network. In case you have several Streaming Players installed in your LAN, you can control them from one interface.

amatilinea -							
amatilinea	-2						
Internal input	S/PDIF 1	S/PDIF 2					
•0	Ø	4 1)					
*		₩					
Os Modernistas - A Heart Ca							
ת Audio player	★ Quick setup	o Network config					

2.1. Audio Player – built-in audio controller, player

← → C 🗋 192.168.1.57/cgi-bin/audio/index.cgi ☆ = 64:48 Monte La Rue - Moonlite (ABCLounge) -≫ 00:00 Nicola Conte 107 tracks Unknown 07:23:43 The Bamboos 12 tracks 00:45:33 4 New York Jazz Lounge 12 tracks 00:55:55 Albums 5 1 track Artists E 01:03:49 Genres 4 tracks Ν Ε 00:18:43 Playlists 4 tracks File system 00:13:58 Internet radio 16 tracks 00:58:17 Current playlist Albums a ø **(**)) * 1)

In Audio Player menu you can control your player, create playlists, favorites.

2.1.1. Update database

First thing to do after you enter the interface of audio player is to update local database which will create local library file with pointers to the music sources you have defined (DLNA servers, FTP

servers, USB flash songs is big. Click

0

drives, internal FTP server). Is may take some while if the library of on the *Settings* button to access the window.



2.1.2. Sorting

Albums – sort music library by albums Artists – sort music library by artists Genres – sort music library by genres

2.1.3. File system

File system folder contains music sources added and available on the network – DLNA, FTP servers, USB, internal FTP server.



You can enter specific folder by double clicking on it.

Liz Cass - They Can't Take That Away Fr					08:26 00:00
/usb-a1					•
🚘 2009 -Touch Yello					
⇐ keep calm and relax					
Friend 'N' Fellow - Both Sides Now (Joni Mitchell) (Di Friend 'N' Fellow - 04 - Both Sides Now (Joni Mitchell).flac	scovere	d)		(00:04:59
Friend 'N' Fellow - A Case Of You (Joni Mitchell) (Dis Friend 'N' Fellow - 08 - A Case Of You (Joni Mitchell).flac	covered)		(00:04:51
Friend 'N' Fellow - Here Comes The Rain Again (Eury Friend 'N' Fellow - 10 - Here Comes The Rain Again (Eurythm	ythmics) nics).flac	(Discov	/ered)	(00:04:12
usb-a1/test.wav test.wav				(0:00:08
File system	٩	•	*		= ()

By double click on the song, it starts to play. By one time click on the entry it offer specific functions to do with folder/song – *Play*, *Add to current playlist*, *Refresh*

Friend 'N' Fellow - Both Sides Now (Joni Mitchell) (Discovered)	•	a
Friend 'N' Fellow - 04 - Both Sides Now (Joni Mitchell).flac	•	5

By one time click on the folder, there is also *Info* option, which opens content of the folder.



2.1.4. Search

Click on the *Search* button and type the search phrase to find appropriate folders and songs.

Manhattan Lounge Band - How High the	00:03 03:26
Manhattan Lounge Band	4 tracks
Best Of Bar Jazz Vol. 2	00:18:43
Manhattan Lounge Band Best of Bar Jazz Vol. 3	4 tracks 00:13:58
Manhattan Jazz Quartett, Debby Davis New York Lounge Jazz (Vocal Classics)	5 tracks 00:21:14
Albums 🔺 manh 🗙 🗢 ★	4) 4 1)

2.1.5. Volume control

With *Volume Up, Volume Down* buttons player.



you can control the volume of the

Manhattan Lounge Band - It Don't Mean a	€ >				01:16 03:09
/usb-a1					•
🚘 2009 -Touch Yello					
➡ keep calm and relax					
Friend 'N' Fellow - Both Sides No Volume: Friend 'N' Fellow - 04 - Both Sides No	50%	ered)		00:	04:59
Friend 'N' Fellow - A Case Of Yo Friend 'N' Fellow - 08 - A Case Of You (Joni Mitchell).f	lac	red)		00:	04:51
Friend 'N' Fellow - Here Comes The Rain Again Friend 'N' Fellow - 10 - Here Comes The Rain Again (n (Eurythm Eurythmics).	n ics) (Dis flac	covered)	00:	04:12
usb-a1/test.wav test.wav				00:	00:08
File system		Q 4	* *		■1)

2.1.6. Top control bar

On top bar you will find currently playing song name, you can pause the song, jump to next or previous song in the current playlist, forward the current song, time elapsed and song length.



2.1.7. Current playlist – play, save, delete

In Current playlist you can see all songs which you have added by double-click or via Add button

•

Saskia Bruin - Close your Eyes (ABCLoun	Ш	*	₩					05:14 00:00
4 tracks, total play time: 00:06:44							6	Ĥ
Manhattan Lounge Band - Take Five	e (Best	Of Bar	Jazz	Vol. 2)		00):03:35
Manhattan Lounge Band - It Don't Me	ean a T	hing (I	Best o	of Bar	Jazz V	ol. 3)	00	0:03:09
Saskia Bruin - Close your Eyes (ABC	CLoung	e)						
http://listen.radionomy.com/abc-lounç	ge							
Current playlist				۹	¢	*	-	⊲ 1)
You can save current playlist by clicking	New hi	itton						



You can delete the content of current playlist by clicking on *Delete* button.

2.1.8. Favourites

While some song or plays, you can click on *Favourites* button, **Favourites**. If the song is already favourite, the button is green.

to add it to Playlist

*

2.1.9. Playlists

In *Playlists* you will find both your selected *Favourites* songs as well as defined Playlists.



2.1.10. Internet radio

There are more than 4000 radio stations built-in in the Streaming Player, grouped by genres. As with regular songs you can add them to playlists.

Manhattan Lounge Band - Take Five (Bes	03:04 03:35
	▶ • Î
🚘 User stations	3 stations
🚘 '70s Retro	66 stations
🚘 '80s Flashback	155 stations
🚘 '90s Hits	50 stations
🚘 Adult Contemporary	258 stations
🚘 Alternative Rock	252 stations
🚘 Ambient	172 stations
🚘 Blues	26 stations
➡ Classic Rock	235 stations
Internet radio	-) -()

•

You can add new radio stations by clicking on Add button Added internet radios will appear in *User stations* folder.

Add

Add new station	×
Title	
URL	

2.2. Quick setup

Audio configuration is sorted in three main tabs:

- Quick setup quick configuration
- Audio audio specific configuration like presets, dithering
- Services services

2.2.3. Quick setup

In Quick setup window it is possible to fast configuration by enabling or disabling Airplay, DLNA, UPnP renderer or Audio settings



2.2.4. Audio settings

• *Dithering* – dithering on/off. Make the sound more realistic.

• Preset [Off, Night, Anti clipping, Bass Boost]-type of preset to use

amat	Home		
Quick setup	Audio	Services	
Dit	hering		
preset	preset	Anti clipping	
		Off	
		Anti clipping Bass Boost	Save

2.2.5. Services

amatilinea	audio configuration	Home
Quick setup Audio	Services	
Player name	amatilinea	
Airplay		
DLNA mountpoint		
UPnP Renderer		
KNX/IP control	\checkmark	
MPD Password		
Advanced settings	KNX/IP FTP mountpoints	
		Save

Player name – name of the player

Airplay - enable Airplay protocol support

DLNA mountpoint – enable DLNA mountpoint so the Streaming Player will make local library with song list from DLNA servers. This feature is convenient to use if you plan to use built-in music player or MPD based app for music control

UPnP Renderer – enable UPnP renderer feature which will allow to play the songs directly from UPnP renderer applications. UPnP renderer can only be used as a stand-alone solution. It cannot be used together with KNX control or MPD control applications. UPnP renderer might not be compatible with some control devices and applications.

KNX/IP control – enable KNXnet/IP support for mapping specific audio control functions to KNX group addresses. There should be external KNX IP Router used to perform access to KNX TP (e.g. Logic Machine 2)

MPD Password - MPD protocol access password

Advanced settings - shortcuts to quick access of KNX/IP mapping and FTP server list

Note! It is advised to restart client applications when changing any of the configuration values.

2.3. Network configuration – network and KNX related configuration

2.3.3. System configuration

System → *Hostname* – Name of the Player, all other network devices will see the device by this name

System	Network	Status	Help					<u>Start page</u>
				Hostname			*	
				Hostname	LM-Audio			
						OK Car	ncel	
РОре	enRB.co	m						

System \rightarrow Packages – Package management of the operating system. In case of add-ons new packages should be added by +

System	Network	Status	Help			<u>Start page</u>
			Packages		-	×
			◆ Package name	Version		
			alsa-lib	1.0.24.1-1	٢	
			alsa-utils	1.0.24.2-1	0	
			avahi-daemon	0.6.30-2	0	
			avahi-daemon-dbus	0.6.30-2	9	
			avahi-utils	0.6.30-2	9	
			base-files	43.33-r30740	9	
			busybox	1.15.3-3.4	٢	
			curlftpfs	0.9.2-5	٢	<u>~</u>
			Actions: 🗿			
						ElashSYS v2 r83 (24.08.11)
Op	enRB.co	m			Lo	oad averages: 0.02 0.08 0.07

System → GUI login – password settings for login System → Backup and Restore – backup or restore network settings

Backup and restore					
Filename					
⊖ networkspbaclup_2013_02_12.tar.gz	G				

	\sim	0
Actions:		

- *System* → *Upgrade firmware* upgrade system's firmware version
- *System* → *Reboot* restart the system
- *System* → *Shutdown* shut down the player

2.3.4. Network configuration

Network → *Interfaces* – Interface and IP management. Static IP, DHCP or PPPoE can be set up for interface

System	Network Sta	atus H	elp			<u>Start page</u>
			Interface eth	10	×	
	Interfaces		General			- ×
	Ethernets	Wirel	Protocol	DHCP	~	
	• Name	- M	Current IP	192.168.1.20		
	eth0	00:1	DNS server			
			Mtu			
Oper	nRB.com					
					cel	

Network → *Routes* – dynamic/static route management. In case advanced routing is necessary, static routes can be added.

System Network St	atus Help					<u>Start page</u>
	Routes				- ×	
	Dynamic	Static				
	Interface	Destination	Gateway	Network mask	Flags	
	eth0	default	192.168.1.100	0.0.0.0	UG	
	eth0	192.168.1.0	*	255.255.255.0	U	
	eth0	224.0.0.0	*	224.0.0.0	U	
					FlashSY	(S v2 r83 (24.08.11)
• opening.com					Load avera	iges: 0.010.090.10

Network → *ARP table* – Address Resolution Protocol table with hosts being associated with the streaming player

System	Network	Status Help					<u>Start page</u>
		ARP table				$ \times$	
		Interface	IP address	Mask	MAC address	Flags	
		eth0	192.168.1.100	*	00:1c:c0:54:88:cb	0x2	
		eth0	192.168.1.241	*	00:0e:2e:c0:97:63	0x2	
		eth0	192.168.1.208	*	00:0e:2e:cd:35:e9	0x2	
		eth0	192.168.1.122	*	00:1c:c0:45:3e:74	0x2	
		eth0	192.168.1.48	*	f0:b4:79:30:48:d4	0x2	
						FlashS)	(S v2 r83 (24 08 11)
Ор	enRB.co	m				Load avera	ages: 0.00 0.06 0.08

2.3.5. FTP servers, DLNA configuration

Network → *FTP servers* / *DLNA* – DLNA/UPnP/FTP server settings

System	Network	Status	Help							<u>Start page</u>
		FTP serve	ers / DL	NA				$- \times$		
		• Server		FTP server			×			
		192.168.0.1		Server				0		
				Username						
				Password						
				Local directory						
				🕕 Leave username a	nd password blank	for anonymous ac	cess			
		Actions: 🕑								
						OK	Cancel			
										33 (24.08.11)
Dob	enRB.co	m						Load	averages: 0.	010.080.13

By clicking on Settings button, there is a possibility to switch DLNA-server auto discover YES/NO

Server – IP address of FTP server e.g. 192.168.1.101

Username – FTP server login name Password – FTP server password Local directory – specific folder name e.g. music

System Networ	k Status Help						<u>Start pac</u>	<u>je</u>
	FTP servers / D	DLNA				$ \times$		
	• Server	• Userna	me	Local directory				
	192.168.0.1	username		example	0	0		
		DLNA settings				×		
		DLNA mountpoint	Disabled Disabled		~			
			Enabled					
	Actions: 💽 🔜			ОК	Cancel			
▶ OpenRB.c	com							L) 13

2.3.6. Internal FTP server settings

There is 32GB internal memory for media file storage.

You have to enable internal FTP server with password in *Network Configuration* \rightarrow *Services* \rightarrow *FTP server*

Local FTP ser	ver	×
Server status	Disabled 💌	
Username	ftp	
Password]
Leave passwo	rd to blank to keep it unchanged	
	OK Cancel	

Use any FTP client program to upload songs to the internal flash disk e.g. WinSCP

WinSCP Login				? X
Session Stored sessions Environment Directories Preferences	Session <u>H</u> ost name: 192.168.1.63 <u>U</u> ser name: [ftp Private key file: Protocol <u>F</u> ile protocol:	FTP	Password: ●●●●	Port number: 21 -
Advanced options				
About Langua	ages	Login	Save	Close

Copy media	files or	folders to	the root	folder	of the :	flash drive.	
copy meana	11103 01		110 1000	ioiaci	ortific	nashi anive.	

🍢 2009 -Touch Yello - ftp@192.168.1.63 - WinSCP	
Local Mark Files Commands Session Options Remote Help	
🏟 🔢 🔊 • 😤 📽 🗞 📟 🖉 😤 🐜 主 🖃 🔯 🖉 🖉 Default 🔹 🖉 •	
👝 D: FLESHKA 🔹 🗢 🗢 🖘 🖆 🖾 🚮 😰 📴 / <root> 🔹 🚭</root>	s (+ · → ·) 🖻 🖄 🚮 🛃 📴
D:\2009 -Touch Yello /	
Name Ext Size Type 🔥 Name Ext	Size Changed
😫 🛛 🔒	
▲ 01 - The Expert.flac ▲ 02 - You Better Hide Feat. Heidi Happ.	6/19/2013 1
▲ 03 - Out Of Dawn.flac Cancel ▲ 04 - Bostich (Reflected).flac Iminize ▲ 05 - Till Tomorrow Feat. Till Broenner Iminize ▲ 05 - Tangier Blue.flac Iminize ▲ 07 - Part Love.flac Iminize ▲ 09 - Kiss In Blue Feat. Heidi Happy.flac File: D:\2009 -Touch Yello\01 - The Expert flac ▲ 09 - Kiss In Blue Feat. Heidi Happy.flac Iminize Stay idle ▲ 10 - Vertical Vision Feat. Till Broenner 23,503,575 VEC media file ▲ 11 - Trackless Deep.flac Iminize Unlimited ▲ 12 - Stay Feat. Heidi Happy.flac 58,436,646 VLC media file ▲ 14 - Takla Makan Feat. Dorothee Ober 58,436,646 VLC media file ▲ 15 - X-Race.flac 25,781,665 VLC media file ▲ 16 - Petro Oleum.flac 16,542,283 VLC media file	
▲ 1/ - ON Yean 2009.flac 14,444,411 VLC media file	4
19,959 KiB of 464 MiB in 1 of 20 0 B of 0 B in 0 of 1	Quit
	🔒 FTP 🗐 0:00:54

Once files are copied, Update Database as described in point 2.1.1. You can find the copied files and folders in Audio Player \rightarrow File system \rightarrow local

		٩	• *				
1							0
' ⊨ local							
File system	<u>·</u>			*	*	•	■ 10

	٩	¢	*					
/local								•
<mark> コ Yello - The Expert (Touch Yello (De</mark> 01 - The Expert.flac	eluxe))						ø	c
File system 🔺				•	•	*	=0	((⊳

2.3.7. KNX connection settings

KNX connection		×
Mode	EIBnet/IP Routing]
Parameter		
KNX address	15.15.255	
KNX IP features		
Multicast IP	224.0.23.12	
Multicast interface	eth0	
Maximum telegrams in queue	100	

OK Cancel	
-----------	--

2.3.8. Mapping to KNX group addresses

Network → *KNX Audio Control*– mapping audio functionality to KNX

<u>Note!</u> KNX mapping currently works only with MPD control applications.

<u>Note!</u> You have to **use external KNX IP Router** (e.g. Logic Machine 2) to access the KNX TP, as Streaming Player supports only KNXnet/IP (TP is not used due to sound quality distortions).

General mapping functions

Simply type the KNX group addresses which will store the current value of player functionality like *Play/pause, Next track, Previous track, Track name, Random on/off, Repeat on/off, Volume, Next playlist, Previous playlist, Playlist name.*

KNX audio control	×
General Play spe	ecific track
KNX address	15.15.255
Play/pause	1/1/7
Next track	1/1/8
Previous track	1/1/9
Track name	
Random on/off	
Repeat on/off	
Volume	3/3/4
Next playlist	
Previous playlist	
Playlist name	

OK Cancel

KNX address - KNX physical address

Data types:

Play/pause – 1-bit [In/Out] Next track – 1-bit [In] Previous track – 1-bit [In] Track name – 14-byte string [Out] Random on/off – 1-bit [In/Out] Repeat on/off – 1-bit [In/Out] Volume – 1-byte scale 0..100% [In/Out] Next playlist – 1-bit [In] Previous playlist – 1-bit [In] Playlist name – 14-byte string [Out]

Map specific track or radio stream to KNX group address

You are able to map specific tracks from music sources or specific internet radio to KNX group address in *Play specific track* tab.Up to 12 sources can be mapped.

KNX audio control				
General Play sp	ecific track			
Track 1 group address	1/1/1]		
Track 1 path	usb-a1/2009 -Touch Yello/01 - The Expert.flac]		
Track 2 group address	1/1/2]		
Track 2 path	http://u16b.di.fm:80/di_progressivepsy]		
Track 3 group address	1/1/3]		
Track 3 path	http://u17.di.fm:80/di_harddance]		
Track 4 group address	1/1/4]		
Track 4 path	http://scfire-mtc-aa01.stream.aol.com:80/stream/102]		
Track 5 group address]		
Track 5 path]		
Track 6 group address				
Track 6 path				

OK	Cancel
UN.	Cancer

2.3.9. Master-Slave configuration (multiroom)

Network →*Audio master* – add slave players to this master player. Slaves will play/do the same what is done on Master device

System N	etwork Service	s Status Help					Start pag
	Audio master	r				- ×	
	Slave name		• IP address				
	Bedroom		192.168.1.32		0	0	
	Office		192.168.1.1		0	٢	
		_					
		Audio slave				*	
		Slave name	Bedroom				
	Antinena @	IP address	192.168.1.32				
	Actions:	Password (optional)	test12345				
		Delay (milliseconds)	1000				
				OK		ancel	
						ander	

- *Slave name* name of the slave device
- *IP address* IP address of slave device
- Password (optional) Login password to access Slave device
- Delay (milliseconds) Delay for the stream

It is possible to disable/enable slave players any time with the circle button.

2.3.10. System, network status

Status → System status – General system parameters, memory usage, partitions	

System Network St	atus Help		<u>Start page</u>
	System status		- ×
	General Memory u	sage Partitions	
	Parameter	¥alue	
	CPU BogoMips	199.06	
	Linux kernel version	2.6.39.3	
	System uptime	0d 1h 46m	
	Load averages	0.06 0.12 0.11	
			FlashSYS v2 r83 (24.08.11)
Openikb.com			Load averages: 0.05 0.12 0.11

Status → *Network status* – Network status, bandwidth graph, TX/RX bytes

System Network St	atus Help		<u>Start page</u>
	Contain status		
	System status	- ×	
	General Memory usag	e Partitions	
	Parameter	¥alue	
	CPU BogoMips	199.06	
	Linux kernel version	2.6.39.3	
	System uptime	0d 1h 46m	
	Load averages	0.06 0.12 0.11	
		4	
			FlashSYS v2 r83 (24.08.11)
OpenRB.com			Load averages: 0.05 0.12 0.11



Status → Network utilities – Ping, traceroute network utilities System Network Status Help

System	Network Status Help	<u>Start page</u>
	Network utilities	- ×
	Ping Traceroute Network performance	
	IP / Hostname www.openrb.com	
	PING www.openrb.com (159.148.135.178): 56 data bytes	
	64 bytes from 159.148.135.178: seq=0 ttl=57 time=13.185 ms	
	64 bytes from 159.148.135.178: seq=1 ttl=57 time=13.217 ms	
	64 bytes from 159.148.135.178: seq=2 tt1=57 time=13.626 ms	
	64 bytes from 159.148.135.178: seq=3 ttl=57 time=12.925 ms	
	64 bytes from 159.148.135.178: seq=4 ttl=57 time=16.553 ms	
	www.openrb.com ping statistics	
	5 packets transmitted, 5 packets received, 0% packet loss	
	round-trip min/avg/max = 12.925/13.901/16.553 ms	
Op	enRB.com	Load averages: 0.02 0.08 0.10



Status → *Running processes* – operating system running processes

3. Stream music from Apple devices over AirPlay protocol

On your Apple device or PC via iTunes while playing music click on *Airplay* icon and choose the name of the Streaming Player where you want to play the song/radio. The songs or internet radio is streamed directly from your iPhone/iPad/iPod or PC.



4. MPaD application usage notes (iPad)

You can use third party apps in parallel of built-in player of the Streaming Player – MPD or UPnP based. MPaD is MPD protocol based app.

4.1. Settings

- Streaming Player has local cache library with pointers to all music files available on music sources you've added (DLNA/UPnP//FTP/USB/Internet radio). You can push the update the library by pressing **Update database** button.
- **Update local cache** is local device copy of the music library file from Streaming Player. Used to speed up the communication, not overloading the network with regular requests

4.2. Connection: choose music source to control

4.3. Player: choose players where to play the selected song

iPad 🔶		12:17	69 % 💷
iPad 🗢	12:19	69 % 💷	• • • • • • • • • • • • • • • • • • •
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	Players	Cancel	
-	Player LM-Audio	um Artist	В
-	amati linea		
			F
		_	N
Not connected to MPD Server			P
			R
			S
0:00 () 0:00	Browse Playlist	last.fm info	т
0:00		Genre Browse Playlist I	ast.fm Info

4.4. *Playlists: if more then one controller device is used, Playlists are distributed over all devices*

iPad ᅙ			12:2	20						69 % 🗖
	တ္ x	¢ (©						< -		<u> </u>
08. Hipster's Delay	Save Current				Pla	ylist				Edit
Planet Dada Yello	test									
Nervous Yello	test2									
Don Turbulento Yello	testrss									
Soul On Ice Yello										
Junior B Yello										
Tiger Dust Yello										
Distant Solution										
2003 - The Eye										
0:00 🔿 0:00		Artist	Album	Song	Genre	Browse	Playlist	last.fm	Info	

4.5. Sort by Artist / Album / Genre





iPa	ad	12:2	23					69 % 🔳
		တ္ <u>x</u>	\$					- <u></u>
	08. Hipster's Delay	C	Genres				Album	S
	Planet Dada Yello	Classical				m	rscru	FF
•	Nervous Yello	Electronic				5		.)
	Don Turbulento Yello	Jazz				n	inja tu	na
	Soul On Ice Yello	Rock					Ninja Tun Mr. Scruft	ia I
	Junior B Yello	Soundtrack				Y		0
	Tiger Dust Yello	Unknown						
	Distant Solution					*	and all	
	Time Palace Yello					Po	cket Univ	erse
	Indigo Bay Yello						Teno	
	Unreal Yello					V	allo the	
	Bougainville Yello					0	°.(°	
	Star Breath Yello					1.000	The Eye	
	Planet Dada [Flamboyant]						Yello	
Y	ello He Eye							
	11-1							
-								
	valle the eve							
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						alass and	1 2 2 2 2 2 2	
2:	43 - 2:54	Artist Album	Song	Genre	Browse	Playlist	last.fm	Info

IPad '\$'	12:23 69%
08. Hipster's Delay	Browse 2003 - The Eye Hor
Planet Dada Yello	Play all from this directory
Nervous Yello	Directories/Files
Don Turbulento Yello	(null) - 2003 - The Eye
Soul On Ice Yello	Yello - The Eye
Junior B Yello	Yello-The Eye
Tiger Dust Yello	Yello - The Eye
Distant Solution Yello	Yello - The Eye
Time Palace Yello	Yello - The Eye
Indigo Bay Yello	Yello - The Eye
Unreal Yello	Vello - The Eye
Bougainville Yello	Yello - The Eye
Star Breath Yello	Yello - The Eye
Planet Dada [Flamboyant]	Vello - The Eye
Yello Edit	Pallo - The Eye
11.	Yello - The Eye
	Planet Dada [Flamboyant] Yello - The Eye
yello the eye	
0:06 () 4:5	51 Artist Album Song Genre Browse Playlist last.fm Info

4.6. Internet radio



5. MPoD application usage notes (iPod, iPhone)

In similar way as with MPaD, configuration and management is done on MPoD with iPod or iPhone.





Done	Preferences	
MPD Serve	er win	7 >
Status: Co	onnected	
Refresh lo	cal cache	
Update da	tabase	
Outputs		
Speakers		✓
Data		
Artist	Only with full album(s	s) >

Preferences Connection Edit Manual Connection Setup > Enter connection data manually, or pick a mpd server that has made itself known via Bonjour. > Click to setup • win7 • win8 •
Manual Connection Setup > Enter connection data manually, or pick a mpd server that has made itself known via Bonjour. > Click to setup • win7 • win8 •
Manual Connection Setup > Enter connection data manually, or pick a mpd server that has made itself known via Bonjour. Click to setup Image: Click to setup win7 Image: Click to setup win8 Image: Open click to setup
Enter connection data manually, or pick a mpd server that has made itself known via Bonjour. Click to setup win7 win8
Click to setup Image: Click to setup win7 Image: Click to setup win8 Image: Open click to setup
win7 win8
win8







