

LOGAN CENTER
FIRST UNITARIAN CHURCH
WASHINGTON PARK ARTS INCUBATOR
HAROLD'S CHICKEN SHACK



LFKs-Marseille
10 02 13

**TRIBUTE
TO
FRED
HAMPTON**
Dec. 4th, 2013

N^o3

LOGAN CENTER

Black Box Theater

I'll Love You So Hard That You Must Get Burned

4 screens played in synchronicity. Synchronisation must be frame-accurate (< ~1/25th second), and not drift over duration of the movie.

16:9 PAL resolution (ie. 720 x 576 native, but displayed at 1024 x 576)

25p (25 progressive frames-per-second) mono soundtrack (48Khz) per movie duration 48mn & 40scd

All movies have exactly equal duration. To be played in an infinite loop

+

100 chairs

Robin Day Chairs // Black Color & Chrome Steel Base // 100 units



Gidwitz Lobby

Our Neighbourhood

1 film displayed at 1902 x 1080 // 16:9 // PAL projector Full HD // duration 120mn

+

Gilbert Vilers Park 8 speeches (happening)

8 speeches // French language // ± 8 700 words delivered lived by the 4 performers

1 mic and sound system approx duration 120mn

&

subtitling in English, screened in real time subtitling system required

N.B. film also displayed on the 3 flat panel monitors (rf. 11.06)

Performance Hall

From 2337 West Monroe Street

1 film in 2560 pixel x 2160 pixels // dcp
1 Projector 4K / Silent duration 120mn

+

2 soundtracks:

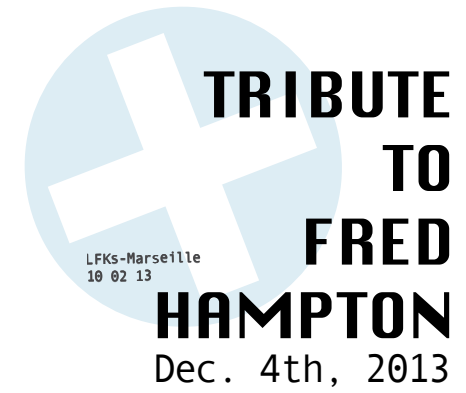
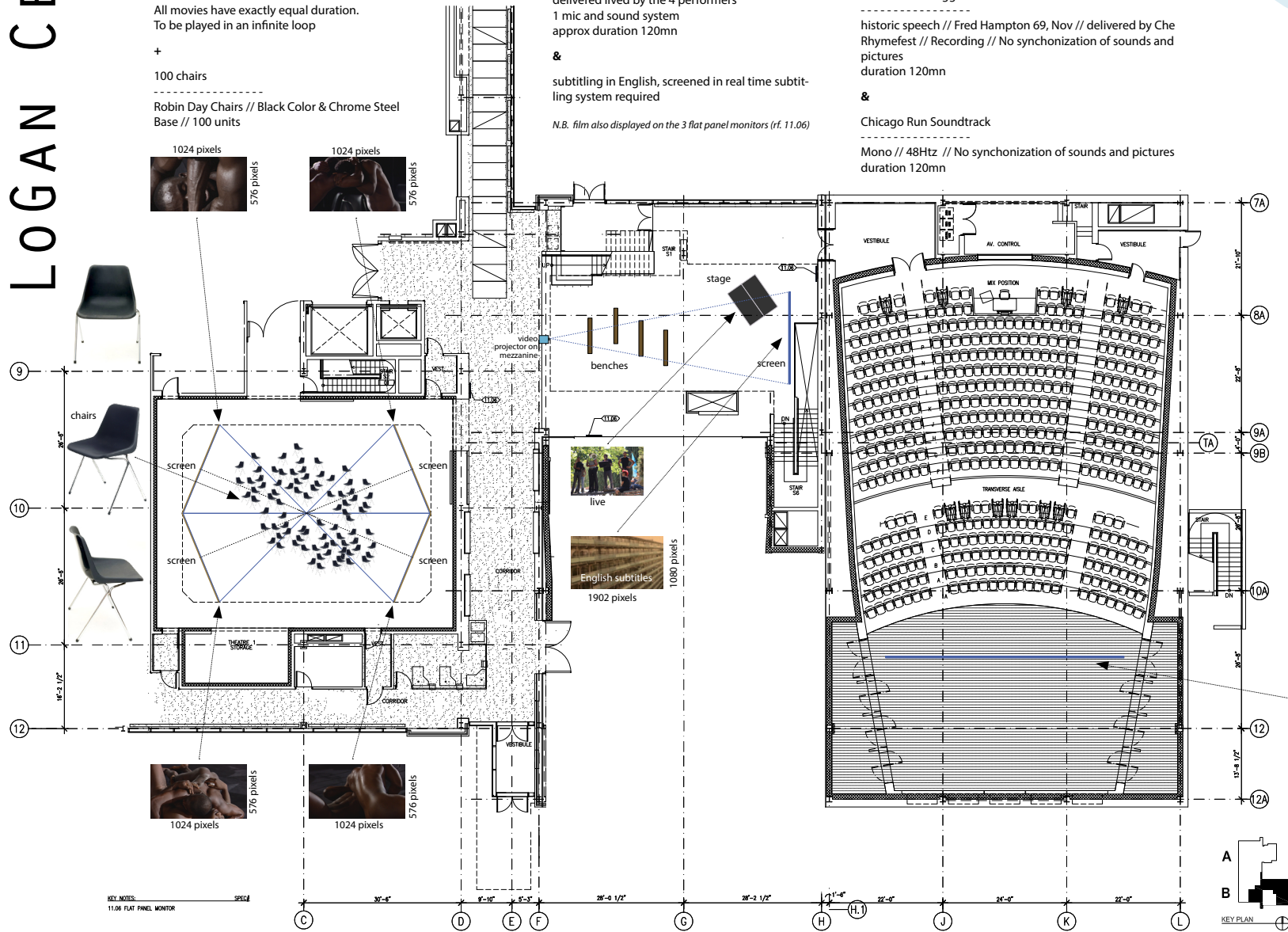
"It's a Class Struggle Goddamnit!" "Slow" Version

historic speech // Fred Hampton 69, Nov // delivered by Che Rhymefest // Recording // No synchronization of sounds and pictures duration 120mn

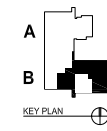
&

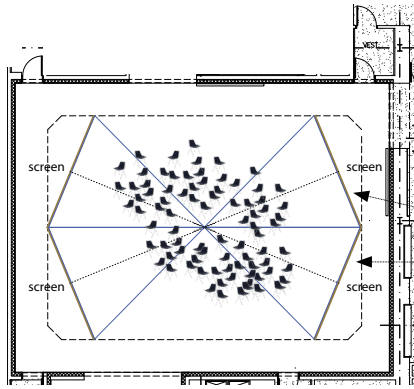
Chicago Run Soundtrack

Mono // 48Hz // No synchronization of sounds and pictures duration 120mn



KEY NOTES:
11.06 FLAT PANEL MONITOR

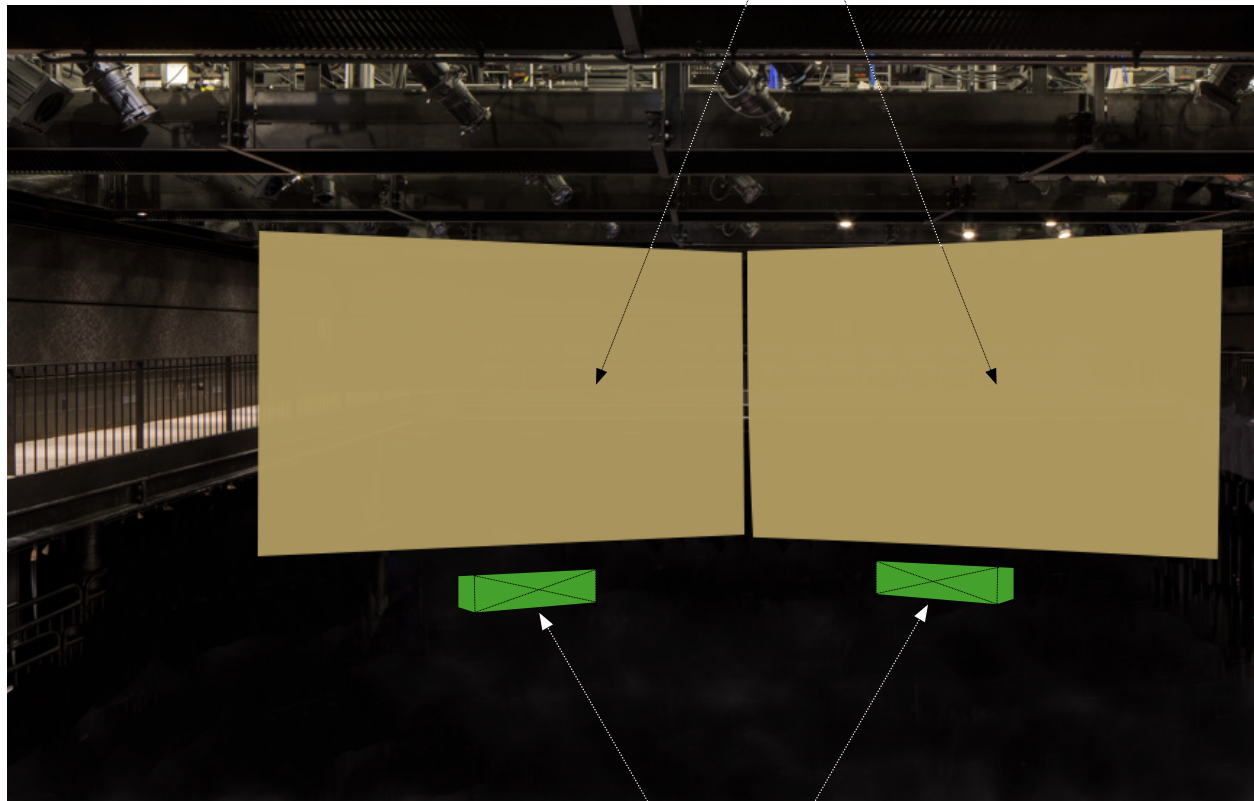




Black Box Theater

I'll Love You So Hard That You Must Get Burned

4 special screens
screening surface must be Kraft Paper



4 speakers, one per screen and per film
Subwoofer required

LOGAN CENTER BLACK BOX THEATER

ANNEX

SPECS // "I Will Love You So Hard..."

 4 screens played in synchronicity. Synchronisation must be frame-accurate (<-1/25th second), and not drift over duration of the movie.

- >16:9 PAL resolution (ie. 720 x 576 native, but displayed at 1024 x 576)
- >25p (25 progressive frames-per-second)
- >mono soundtrack (48Khz) per movie
- >approx duration 1 hour.
- >all movies have exactly equal duration.
- >to be played in an infinite loop.

Any method can be used to display the movies.
 Listed below are simply some recommendations.

Hardware Requirements

Projectors:

4 projectors, 16:9 aspect ratio. Minimum resolution 1024 x 576
 Projectors must support 25hz or 50hz frame-rate.

Audio:

4 loudspeakers. One for each screen.

Playback Devices:

Listed here are 3 possible approaches for playing video synchronised across 4 screens.
 Which is the best approach depends mainly on the competence of the responsible technician, and available infrastructure.

- 1) 1 computer
- 2) 4 synchronisable media players
- 3) 4 mini-computers.

 1] Computer

4 videos are compressed into a single video file with 2880x576 resolution, 25p and compressed with highest quality H264 codec.
 The audio is embedded in the video also, in the front, back, left, right channels of a 5.1 sound track.

-->Option 1.a.] 1 Computer* with graphics card supporting 4 video outputs. eg.,
 NVIDIA Quadro NVS 510 (or NVS 420 or NVS 450) (\$300 - \$400)
 or
 NVIDIA Quadro K5000 (~\$1800)

-->Option 1.b.] 1 Computer* with 2 video outputs, plus 2 Matrox Dual Head2Go devices:

		Cable	Cable
Computer	--> Displayport	--> Matrox Digital SE	--> DVI-D -> DVI or HDMI -> Projector
	--> Displayport	--> Matrox Digital SE	--> DVI-D -> DVI or HDMI -> Projector
			--> DVI-D -> DVI or HDMI -> Projector
OR Computer	--> Displayport	--> Matrox Digital DP	--> DisplayPort -> DVI or HDMI -> Projector
	--> Displayport	--> Matrox Digital DP	--> DisplayPort -> DVI or HDMI -> Projector
			--> DisplayPort -> DVI or HDMI -> Projector

*Computer: Any computer capable of decoding this video smoothly will suffice.
 eg. Windows 7 64-bit + intel i7-2600.

Sufficiently long and high-quality DVI or HDMI cables are required to connect the computer to the 4 projectors.

As the computer must be connected to the sound system:

a good quality sound card may be needed for clean audio output.
 This may be an external USB card or an internal PCI card.

Playback is achieved using either MPC-HC, or VLC software.

The key challenge is to avoid any tearing and jitter which are caused by inconsistencies between the projector display rate and the video display rate.

Be sure to change the dekstop display mode and full-screen display mode to 50Hz.

Play with V-Sync settings in MPC and observe jitter etc.

 -->Option 3.] 4 Digital video players with frame-accurate synchronisation.
 eg: Brightsign HD or XD players (HD220, HD1020, XD230, XD1030, XD1230)
 plus generic Gigabit ethernet switch and 4x Cat5e ethernet cables.

In this case, each video player is placed next to each projector, and so only short video cables are required. However, a high-quality single-channel sound cable from each player must be connected to the sound system, and all the players must be connected to a Gigabit network.

cables required,	Pros	Each player can be placed with the projectors, so no long video and no restrictions on distance between screens.
	Cons	More complex than a single player.

 -->Option 4.] 4 networked micro-computers with sync software.

Using VLC or mplayer with NetSync plugin to synchronise playback over network.
<http://hackedexistence.com/project-vlc.html>

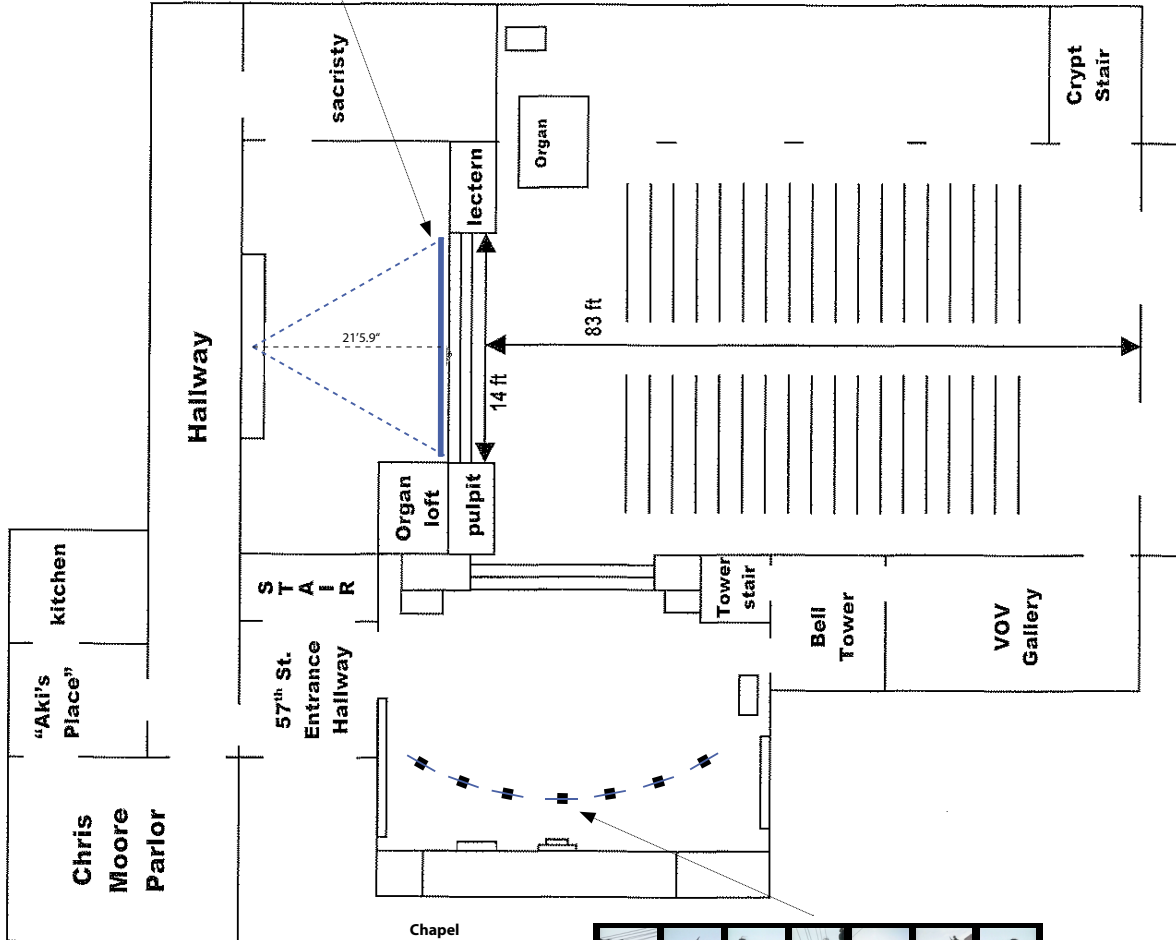
Pros	Each player can be placed with the projectors, so no long video cables required. Extremely cheap.
Cons	Very Experimental and requires an experienced technician.

FIRST UNITARIAN CHURCH



13'1.5"

9'0.1"



57th St.

Chapel

Pigs on a Hot Tin Roof

// 7 films displayed at 720 x 576 // 16:9 // PAL // 45"
 or 55" widescreen lcd flat panel monitors (7 units)
 // silent // players: 7 media players // To be played
 in an infinite loop

+
 7 bases for the flat panel monitors



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Altar

Fred Hampton Trailer

(Chicago Film Archives --> Judy Hoffman) //
 1 film at 720 x 576 // 1,37:1. // 00:05:30 // NTSC // Silent
 // Player : media player // To be played in an infinite loop
 duration 5:30mn
 (<https://www.youtube.com/watch?v=p6rXyvfOsc>)

N.B. rear projection

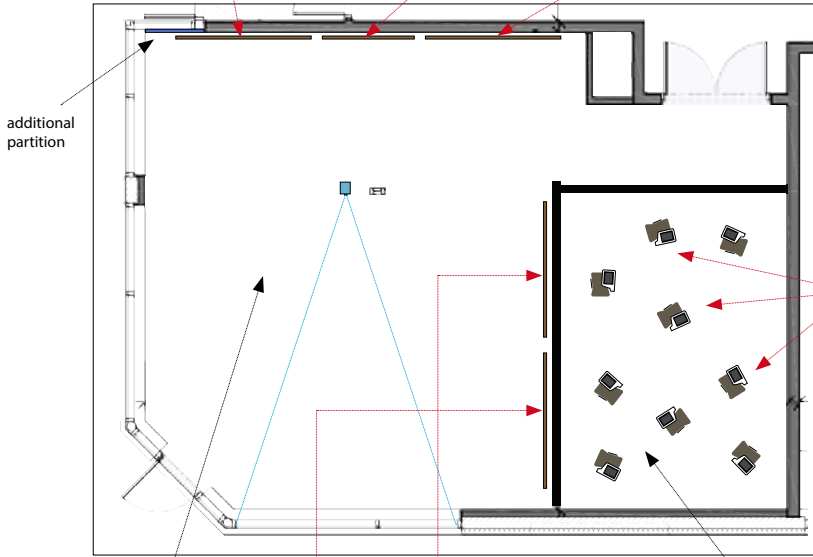
+

1 soundtrack:

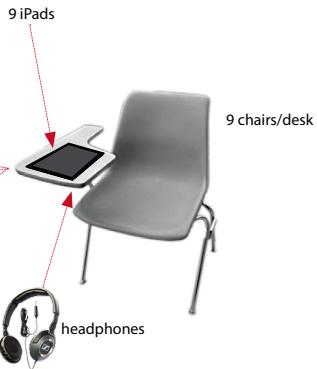
It's a Class Struggle Goddamnit!

historic speech // Fred Hampton 69, Nov // delivered by Che
 Rhymefest // Version 1: at Fred Hampton flow and speed //
 Recording // No synchronization of sounds and pictures //
 Sound system of the Church will be used to play that
 soundtrack
 duration +/- 60mn

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additional partition



Corridor
 Walls of Texts

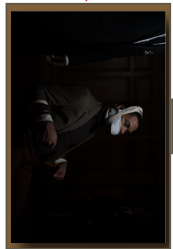
 Walls of the corridor are covered with texts // Black Felt pens - Posca Type
 +
 Patches of Blue (Music)

 Serie of 9 pieces of music, created after multiple extremely short samples of Blaxploitation films soundtracks (aiff)

Gallery

The Ordeal of Bobby Seale
 5 photo prints // Colors
 // Mat paper // 225cm x 150cm // framing (oak)
 235cm x 160cm + engraved copperplates
 +
 video film

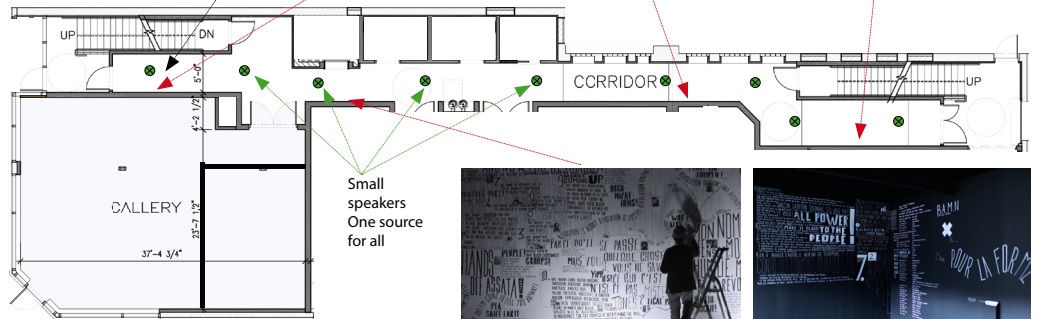
 displayed nightly, projected onto the window front



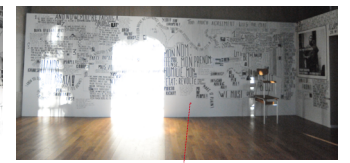
Projection Room

It's Now Baby!

 9 iPads BPP & Black Power database
 // Display 9,7" // 64Go // Sound
 // No sound system // Possibly 9 headphones



Small speakers
 One source for all



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In the window

The Best Marxist Is Dead (happening)

Issa Samb dressed like Huey P. Newton (LFKs)
// Furniture and all elements necessary for a
reconstitution in real life of The "Free Huey"
Picture (Armchair + Gun + Harpoon + Zebra skin
+ African Shields) to be found locally // platform
// spotlight // Heating units

