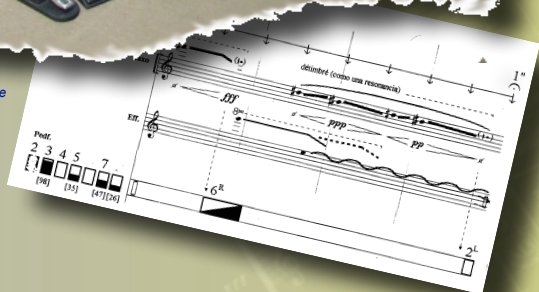


Pedalophone

an innovative electro-acoustic device
allowing to increase and expand the sound
capabilities of any acoustic instrument



First version of
the pedalophone

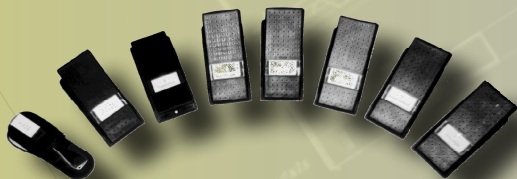


a new version of the pedalophone is
currently being developed for 2013



Hardware

The pedalophone is a system of eight to nine pedals allowing the solo musician to directly control the parameters of real-time sound processing through natural gestures.



The purpose of this device is to give musicians a simple and effective means of performing "live-electronic" music, even outside big musical centers and studios, as well as allowing them to perform compositions from this musical repertoire and play music like on any classical instrument: by improvising, interpreting or simply having fun.



*Clara Novakova
Festival of Karlovy Vary
Czech Republic*

Each pedal affects one or more parameters of sound processing. The continuous-control pedals change parameters such as delay, transposition, feedback, decay and so on.

The pedalophone is easy to transport and install and it is possible to play it everywhere using small internal loudspeakers. At home, it is possible to connect the pedalophone to a home Hi-Fi system.



*Andrés Gomis
Festival of Contemporary Music
Spain*

Compositions

The compositions written for the pedalophone:

Mounir Anastas

Némésis

(violin and pedalophone)

Sergio Blardony

Cronica para entenderse con lo antiguo

(saxophone and pedalophone)

Xavier Chabot

this morning ~13'

(flutes, fujara, pedalophone and "live-electronic")

Mikhail Malt

Chanson d'Automne ~5'

(flute and pedalophone)

Alexander Mihalic

DNA ~12'

(instrument solo and pedalophone)

Phonetic ~7'

(piano, voice and pedalophone)

Lionel Pollard-Cohen

Le miroir de l'âme ~8'

(soprano and pedalophone)

Robert Rudolf

Hamro Fujara ~9'

(fujara and pedalophone)

Hamro Cello ~8'

(violoncello and pedalophone)

Benoît Tarjabayle

Oscande ~7'

(flute and pedalophone)



Gonzalo Biffrella
Festival synthèse
France



Playing pedals

Instruments played:

clarinet, flute, fujara,
percussion, saxophone,
violin, viola,
violoncello, voice, piano

Community

Composers and performers:

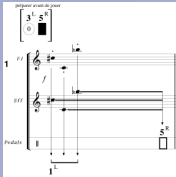
Mounir **Anastas**
composer (*France*);
Serge **Bertocchi**
saxophone (*France*);
Amélie **Berson**
flute (*France*);
Gonzalo **Biffarella**
composer (*Argentina*);
Sergio **Blardony**
composer (*Spain*);
Tomas **Boros**
composer (*Slovakia*);
Catherine **Bowie**
flute (*Australia*);
Xavier **Chabot**
flute, fujara (*USA*);
Pierre **Dutrieu**
clarinet (*France*);
Laurent **Eurdech**
percussion (*France*);
Andrés **Gomis**
saxophone (*Spain*);
Agnès **Heidmann**
chant (*France*);
Garth **Knox**
alto (*United Kingdom*);
Hacène **Larbi**
composer (*France*);
Mikhail **Malt**
composer (*Brazil*);
Catherine **Marchand**
composer (*France*);
Elizabeth **McNutt**
flute (*USA*);
Nicolas **Miribel**
violin (*France*);
Clara **Novakova**
flute, fujara (*France*);
Lionel **Polard-Cohen**
composer (*Belgium*);
Robert **Rudolf**
composer (*Slovakia*);
Oscar **Strasnoy**
composer (*Argentina*);
Benoît **Targabayle**
composer (*France*);

Concerts and presentations:

Festival of Contemporary Music - Santiago de Compostela (*Spain*)
International Modern Music Festival - Kobe (*Japan*)
G.R.M. - Paris (*France*)
Journées d'Informatique Musicale - la Londe-les-Maures & Saint Etienne (*France*)
Darmstadt Internationale Frienkurse für Neue Musik - Darmstadt (*Germany*)
Radio Bratislava - Bratislava (*Slovak Republic*)
ICMC - International Computer Music Conference - University of Michigan (*USA*)
FIMU - Belfort (*France*)
Festival Multimédia - Enter 2000 - Prague (*Czech Republic*)
Radio France - Paris (*France*)
UNESCO - Paris (*France*)
Jornadas Mediterraneas Sobre El Saxofon - Alicante (*Spain*)
Electronic and Computer Music Days LIEM-CDMC - Madrid (*Spain*)
International Festival "Orfeus" - Bratislava (*Slovakia*)
Festival Synthèse - Bourges (*France*)

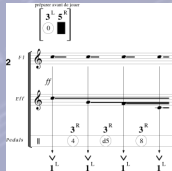
Score

A standard system of musical notation was adopted: a kind of tablature indicating the pedals' positions and different variations.



Exemple of score

This notation system was created as a result of experiments and discussions with several composers and suggestions from pedalophone performers.



Exemple of score

Education

Its ease of use makes the pedalophone particularly interesting for education in electro-acoustic music in music schools.

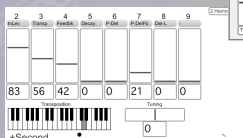
The device may be used for creating sound in composition classes or as an extension to any acoustic instrument.



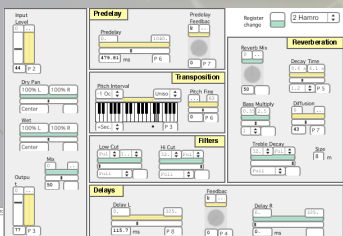
The pedalophone in school use

Software

There is a special graphic software for the musician and the composer using the pedalophone.



Interface for the performer - visual control of the pedals' positions



Interface for the composer - control of the sound parameters

This software is used for the settings, the composing and the visualisation of the sound processing parameters.

Recordings

• There are three CD recordings available:

Pedalophone CD :

1) DNA	Alexander Mihalic	(flute)	12'53"
2) Hamro Fujara	Robert Rudolf	(fujara)	8'55"
3) Chanson d'Automne	Mikhail Malt	(flute)	4'10"
4) Hamro Cello	Robert Rudolf	(cello)	10'42"

Pedalophone Live (concert in Carnegie Small - Paris) :

1) DNA	Alexander Mihalic	(flute)	12'46"
2) Hamro Fujara	Robert Rudolf	(fujara)	9'05"
3) Chanson d'Automne	Mikhail Malt	(flute)	5'33"

Pedalophone CD 2 :

1) DNA	Alexander Mihalic	(flute)	12'53"
2) Miroir de l'âme	Lionel Polard-Cohen	(soprano)	7'56"
3) Hamro Fujara	Robert Rudolf	(fujara)	8'55"
4) Némésis	Mounir Anastas	(violon)	11'14"
5) Chanson d'Automne	Mikhail Malt	(flute)	4'10"
6) Hamro Cello	Robert Rudolf	(cello)	10'42"

