

Laser Harp

How To Play A Laser With Your Hands



A Conversation With
Laurent, Franck & Feera

With Tim Bennett

Of ArgonTV

Laser Harp

The real beauty of Laser Harp can be seen in this incredible video:



[Watch This Amazing Video To Find Out..](#)

**Laser Harp - How To Play A Laser With Your Hands
With Laurent, Frank And Feera From Laser Harp**



[Click Here To Watch The Video](#)

Do You Want To Play With A Laser Harp?

Watch the video above... Laser Harp will blow your mind...

Laser Harp - How To Play A Laser With Your Hands

Tim Bennett: The Laser Harp Still holds my fascination as it did when I first saw it in 1988 in London Docklands at a Jean Michel Jarre Concert on 8th & 9th October



It was pouring with rain and freezing cold, but I was still one of the thousands of screaming fans that went wild when Jarre, started playing the laser harp.

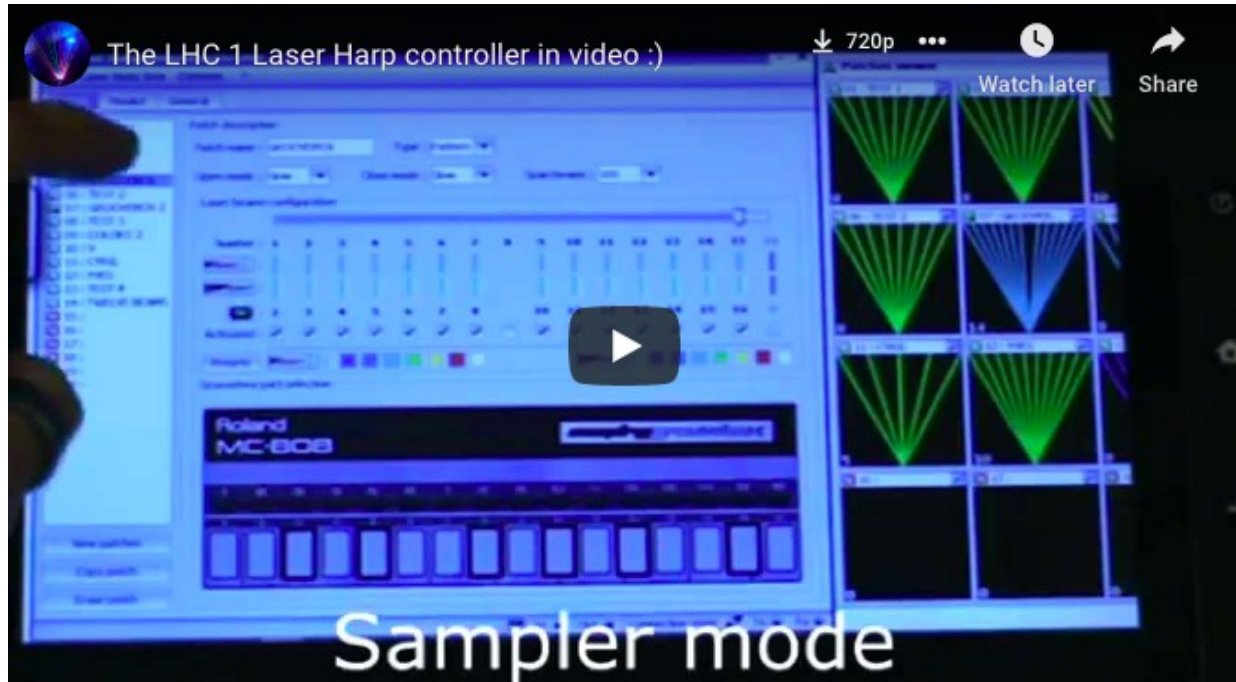
Remember in 1988, we had never seen anything like this before and we were simply amazed.

I still didn't know that 1 year later, I would actually own my 1st laser ever and that in 1991 I would start my professional laser career.

Over 30 years later, the laser harp is still very much a part of my life.

In the [interview above you](#) will see me talking with 3 amazing people, namely: Laurent, Franck and Feera, from Laser Harp in France.

After watching the video, you may wonder how it all goes together, so watch the video below...



The laser harp was not invented by Jean Michel Jarre, however!

Bernard Szajner is actually credited with the first laser harp and he started developing it in 1981 and Jarre contacted Bernard to use it at the concerts.

Bernard and I often email each other about projects and you can see some of his more recent projects here at [Youtube](#).

What Is The Laser Harp?














It is actually a musical instrument.











You will see in the [video interview](#) that it is played by placing your hands in the laser beams.


Light sensitive photocells react to the beam interruption and sends midi commands to the controlled to play the music.


Here are the main features of the laser harp


 Fully stand alone system (no computer required) with quick MIDI response : Perfect for musicians and live events


-  No expensive laser control software and hardware interface required
-  Full color ILDA connector to use with standard laser projector.
-  Multiple sensors for open or close frame mode.
-  The latest sensor works with ambient light and sense the hand height allowing to modify the Pitch Bend, up to 3 Control Changes...
-  Easy Note programmed by MIDI controller or by listening a played MIDI file
-  Each beam (1 to 20 beams harp) can learn and play 5 notes simultaneously (chord) with aftertouch.
-  Visual effects like the *"vibrating string"* and the beam color change delay 400ms after the note is played.
-  Laser beams can be modulated or not modulated with color toggle for played note.
-  MIDI Input and Output for synthesizers or samplers (toggle the pattern-parts).
-  Free software remote control working on tablet to manage, update, backup, merge, and to share your data memory (for PC/Mac/Linux).

-  Bootloader to easily update the firmware by using the remote controller software.
-  Mini USB connector (Bluetooth wireless is in development) to update the firmware and to use the remote control software.
-  Velocity (range from 0 to 127) and Channel (range from 1 to 16) adjustable.
-  20 characters 4 lines backlighted LCD and 3 illuminated buttons.
-  Optional remote LCD to show useful information near the musician (future development).
-  The color of each beam can be chosen for note ON & OFF (switch dynamically the color).
-  Memory of 20 tracks - 20 beams - 5 notes by beam.
-  Memory of 10 playlists - 40 tracks - for automatic switch track (send bank to synthesizer), perfect for concert :)
-  Remote control with 4 illuminated positions foot switch for opening/closing frame, switching track/bank and switching octave +/- (x3).
-  MIDI thru, emits a copy of everything received at the input port.

 MIDI SysEx MMC Play for the opening and MMC Stop for the closing of the beams frame allowing MIDI remote control.

 MIDI program change for the opening (Cn 7E) and the closing (Cn 7F) of the beams frame.

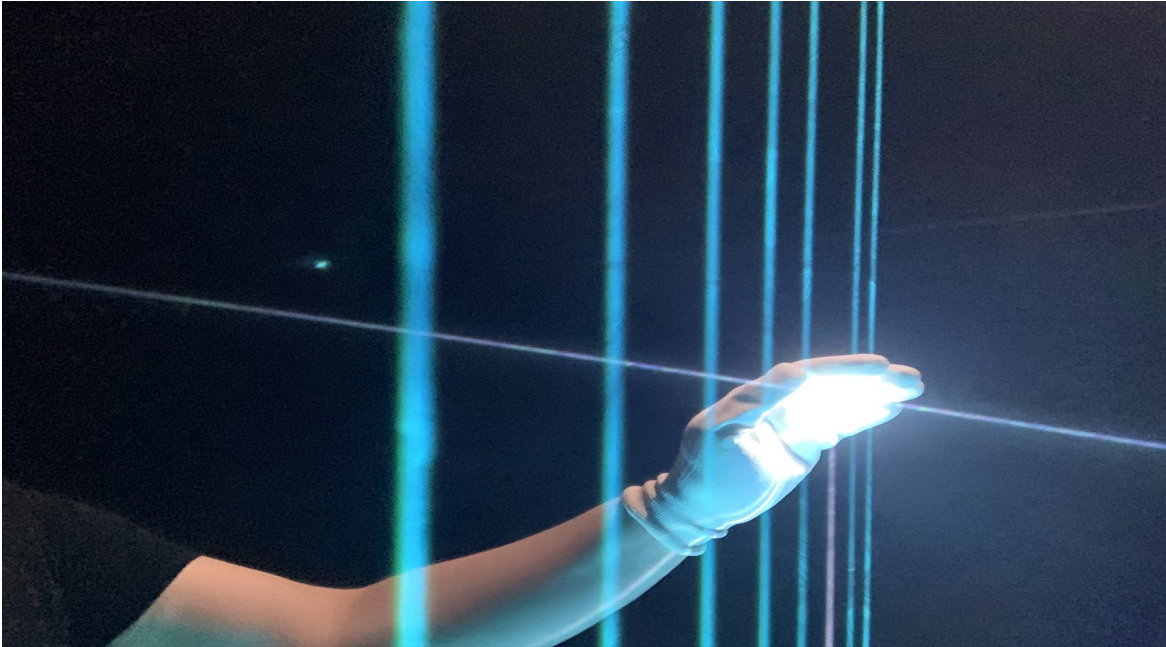
 Working in stand alone mode as a learning instrument. No computer or transpose function is required

 "Playback" function to learn your song quickly and easily. You play the note on synth and the right beam is activated.

 Designed with musicians for the musicians.

And much MORE coming...

Laser Harp And Laser Safety



One of the issues we did not discuss in the video (*due to time constraints*) was laser safety.

Laser is not a toy.

It might look like fun to play with, however, a laser harp should **NEVER** be used by anyone who has not been trained as a laser operator or had laser safety training.

A laser can burn skin and can permanently damage the eye.

Never look directly into a laser beam or point the laser into an audience.

Also make sure that you protect your hands from direct contact with the laser beams.

Wear gloves, but make sure the heat will not make the gloves hot or melt them to your skin.

Also the gloves should not reflect the laser beam as secondary laser flashes are also considered hazardous.

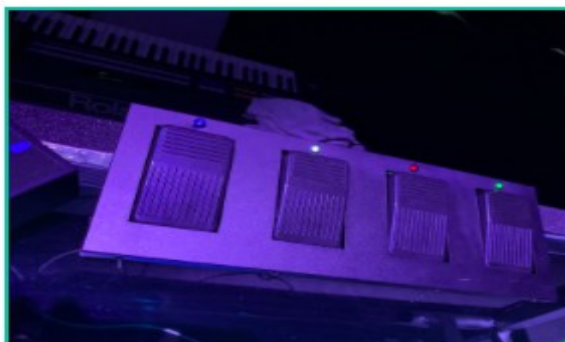
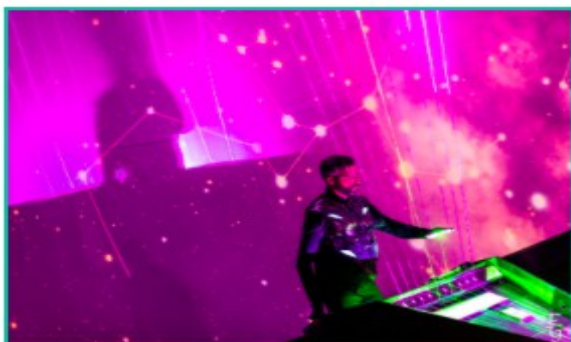
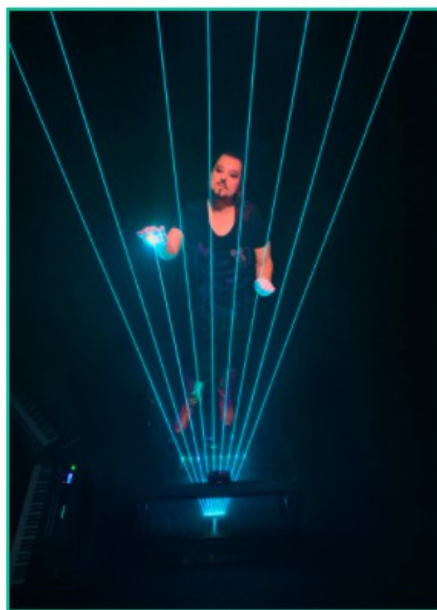
The beams should be terminated with a non-flammable material. Do not allow beams from the harp to touch any non-terminated object.

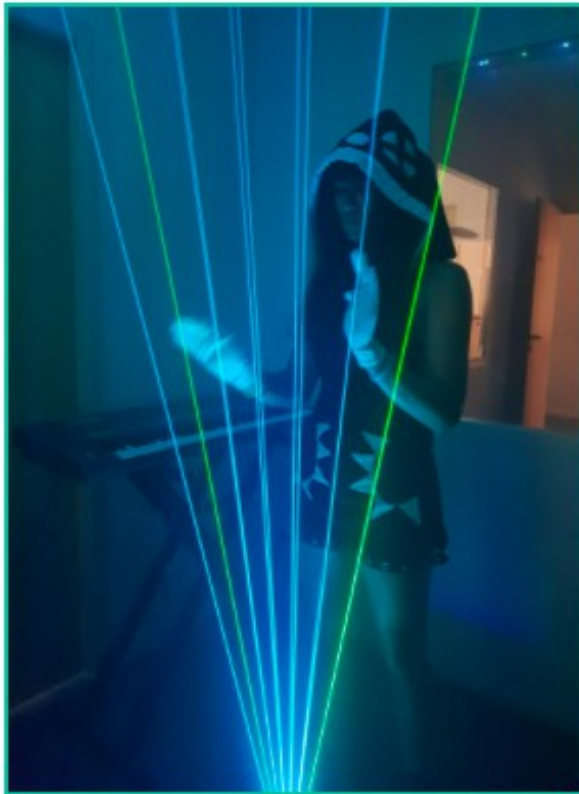
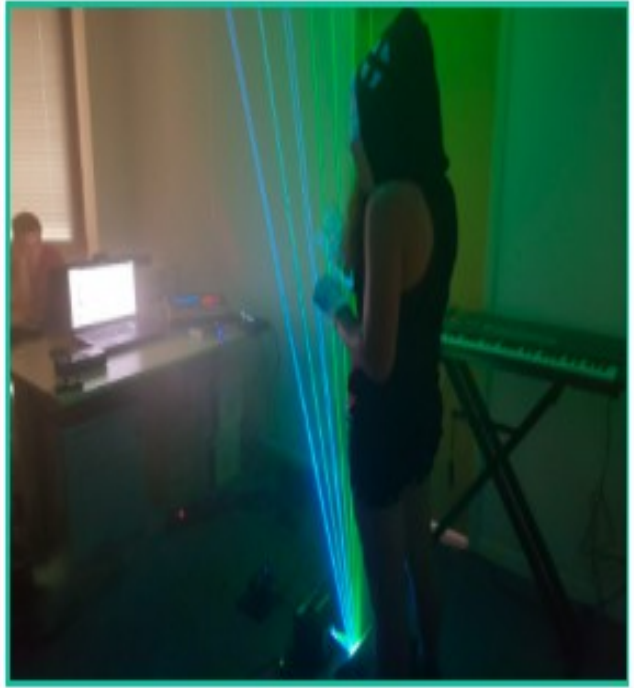
If you want more laser safety advice or training speak to Roberta McHatton here at: roberta (at) lasersafetyservices.com (Tell her Tim sent you!)

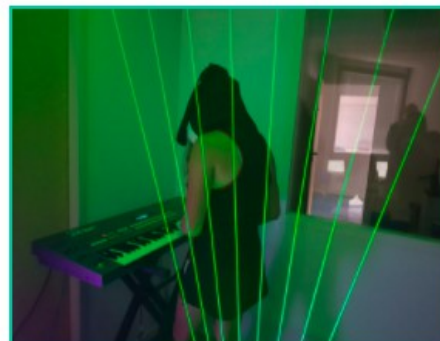
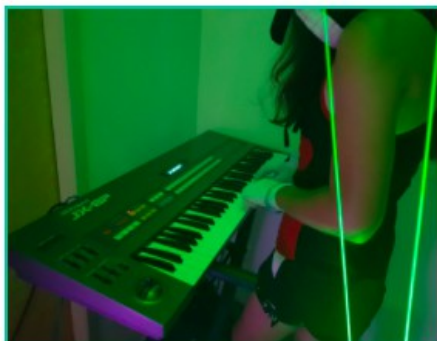
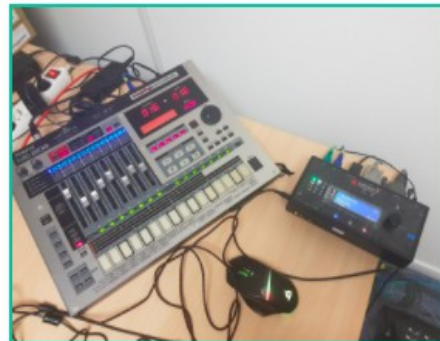
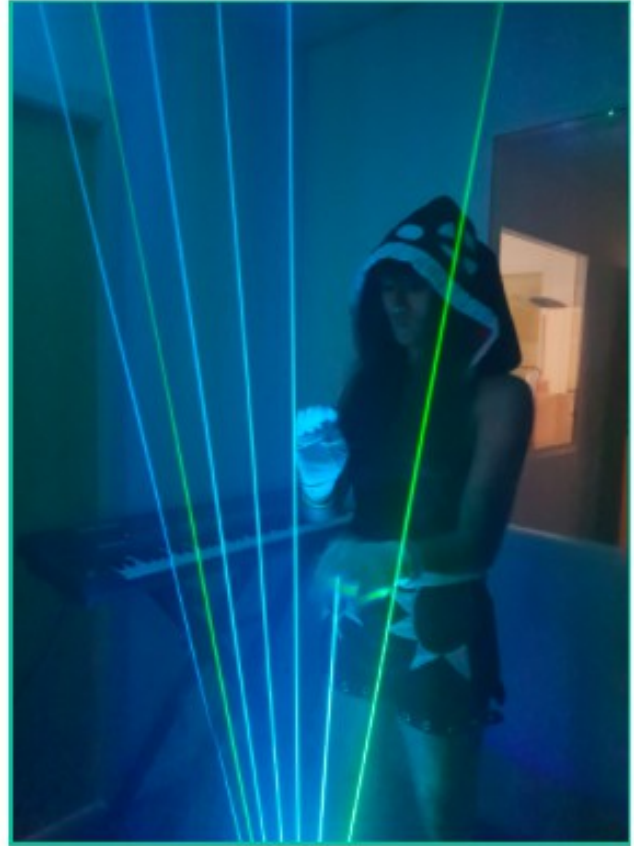
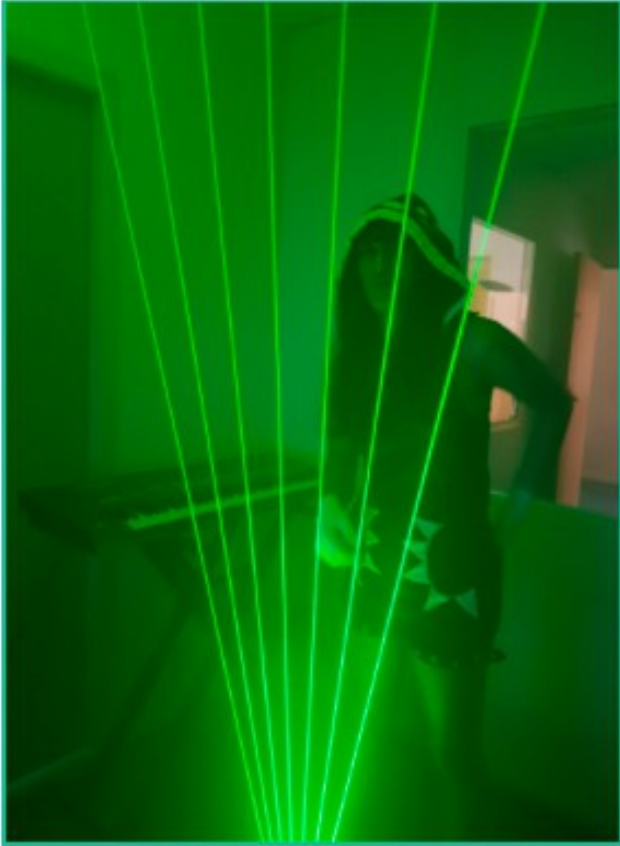
Roberta is a professional Laser Safety Office and will guide you.

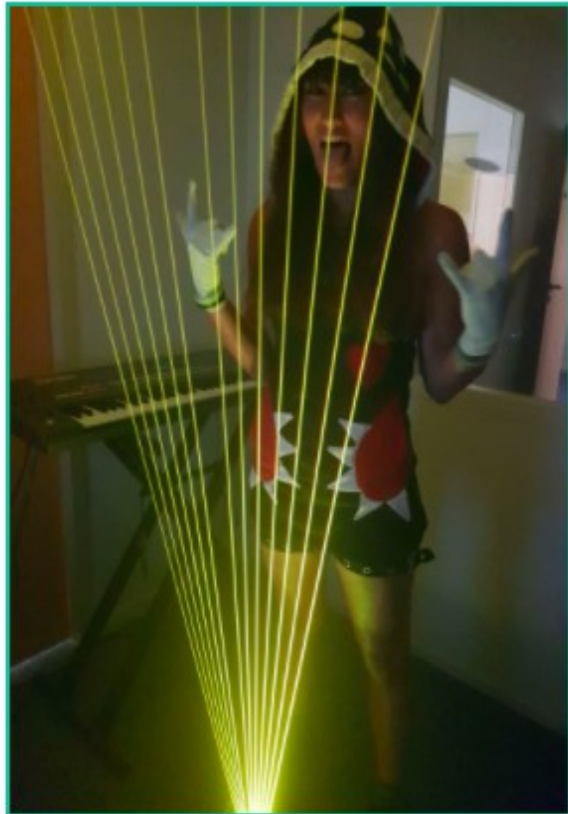
Check out her interview with me about [Laser Safety Guidelines](#).

The Laser Harp Gallery









Conclusion

The laser harp is amazing.

There are very few effects like it in the world.

And I know I want one for my laser show collection.

Make sure that when you buy a laser harp, that you get it from a professional team.

To get more information about how you can get your own laser harp, [click here](#)

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