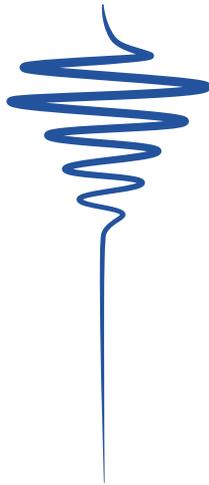


# LÂG/HYVIBE

WE ARE HERE TO CHANGE  
THE WORLD



OF ACOUSTIC GUITARS



Acoustic

Acoustic Electric

**///** *Le seul problème, c'est qu'une fois qu'on y a goûté, difficile de ne pas trouver le son des autres guitares acoustiques, comment dire, un peu plat..."<sup>1</sup>*

- Le Figaro

**///** *De todas las novedades que he visto últimamente esta me ha dejado asombrado, es una locura absoluta..."<sup>2</sup>*

- Guitarra Viva

**///** *It just sounds amazing. This is really just an incredible innovation"*

- Guitar World Magazine

**///** *HyVibe is committed to revolutionizing the acoustic guitar industry with an attractive connected instrument"*

- Musicradar

1) The problem is, once you tried it, hard not to find the sound of the other acoustic guitars, how to say, a bit flat...

2) Of all the novelties that I have seen lately this has left me amazed, it is an absolute madness ...

# LÂG/HYVIBE

# THE GREATEST INVENTION

EVER SEEN ON AN ACOUSTIC GUITAR



Smart Guitar

## PLAYING THE ACOUSTIC GUITAR WILL NEVER BE THE SAME

It is not surprising that at a time when standard telephones have evolved into power smartphones, an identical digital phenomenon would finally happen to the acoustic guitar. By combining Dr. Adrien Mamou Mani's 7+ years of research at the famous IRCAM institute in Paris, with 40 years of guitar manufacturing expertise, Lâg offers all guitar lovers a new category of instruments providing the best in technology and lutherie design.

The Lâg HyVibe Smart Guitars revolutionize the relationship between guitarists and their favorite instrument.

It becomes an ideal tool that accompanies them on a daily basis, transcending how they create music.

# LET'S DISCOVER THE 7 STRONG POINTS THAT MAKE THE LÂG/HYVIBE SO SMART

Discover in videos these 7 strong points on :

[www.lagguitars.com](http://www.lagguitars.com)





## A looper recorder

Record yourself a music track that you can instantly play on. In the same way, you can record song ideas and thanks to the USB jack, recover on your computer the loops and recordings stored in the 8GB of internal memory of the system.



## Multi-effects processor

Customizable effects, amplified by the guitar top, were included: reverb, chorus, distortion, phasing, pitch-shifting, tremolo. So many effects that are generated by the body of the instrument, without speaker, pedal or even wires!



## A bluetooth speaker

The HyVibe System transforms the top of the guitar into a speaker membrane, turning the guitar body into a connected speaker that amplifies audio from your smartphone, PC, tablet, etc. Stream from YouTube, Spotify, iTunes and even Skype!



## A connected guitar

The HyVibe System being a connected device, you will be able to download regular firmware updates filled with new features making it even more smart.

Thanks to the mobile app you can modify the parameters of the effects more precisely, create your own effects by combining them, control the metronome, modify the recording length of the looper, share your recordings, and much more.



## Extra features

In addition to classic functions like the digital tuner, the HyVibe system also gives you access to a 6-band equalizer and a metronome. You can also use wired speaker mode with the standard jack. The USB-C socket under the guitar will allow you to recharge the system's batteries and play for more than 10 hours. The system can also be used during charging, which gives it unlimited autonomy.



## A standard jack output

The Lâg HyVibe guitar is certainly a self-powered guitar, but it also has a standard jack output to be connected to a sound system or amplifier. So you can use the effects, play over your favorite tracks or simply use the guitar as a standard acoustic electric guitar.



## High quality acoustics

The HyVibe system comes embedded into three special Lâg Tramontane models, built under the supervision of acclaimed French luthier Maurice Dupont.

In order to make the most out of the HyVibe System, Maurice designed a unique bracing specially for these guitars that produces a rich range of tones and excellent sound quality.



LÂG/HYVIBE  
THE GREATEST  
INVENTION  
EVER SEEN ON AN ACOUSTIC GUITAR

2

1

3

# How the **hyvibe** system works

HyVibe's proprietary technology is used to turn the acoustic guitar into its own speaker, amplifier and effects processor. Our system uses smart, connected vibration technology, combining a sensor, a high-performance processor and actuators to constantly excite, measure and transform the resonances of the guitar's body. This results in a superior, augmented experience that you can feel.



## 1 Sensor

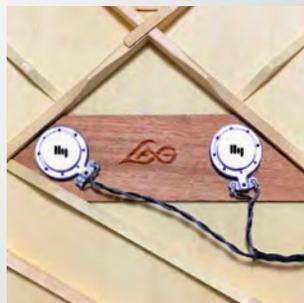
A highly sensitive piezo sensor located under the saddle picks up the signal from the strings and sends it to the processor

## 2 Processor

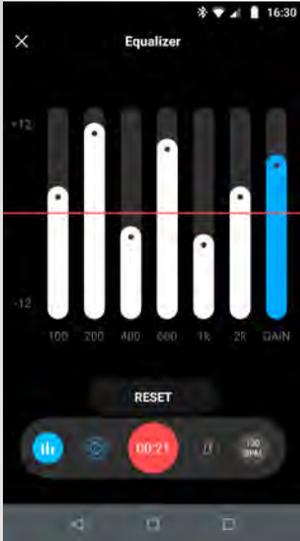
The low-latency system of the HyVibe processor takes the signal from the sensor, adjusts the sound, cancels feedback and sends the signal back to the actuators

## 3 Actuators

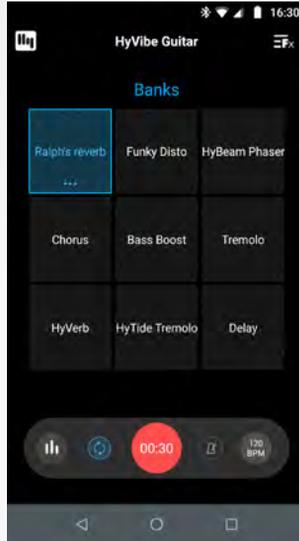
Actuators are located below the top of the guitar, underneath the bridge. This provides the purest acoustic sound from the natural resonances of the guitar



# A NEW WORLD FOR THE ACOUSTIC GUITAR PLAYER: THE **HYVIBE** MOBILE APP



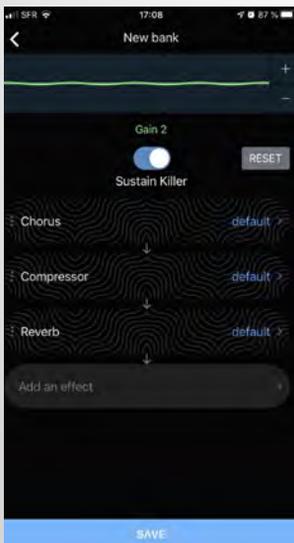
Shape your sound



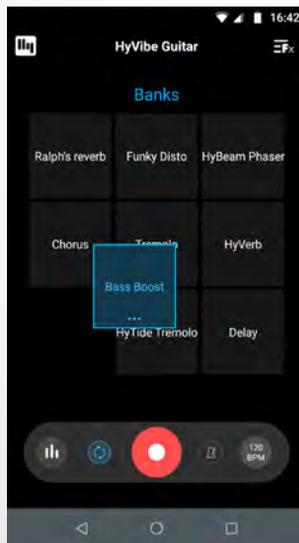
Create your own banks



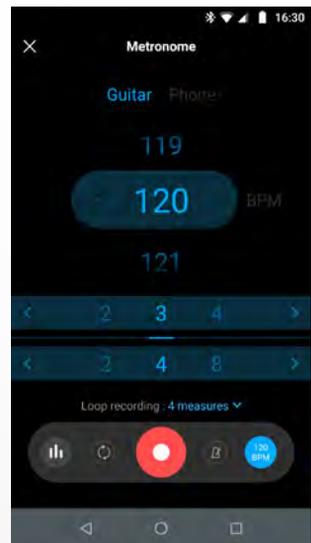
Customize your effects



Chain up to 4 effects

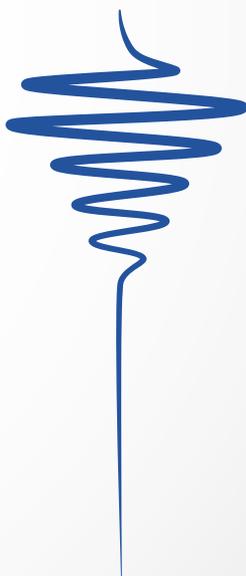


Select and modify effect banks



Customize the looper

INTRODUCING THE  
LÂG/HYVIBE  
SMART GUITAR



# 10

## HyVibe

### TRAMONTANE

All the basics Lâg knows and a bit more... The Lâg THV10DCE packs a lot of warmth and deepness into a comfortable, easy to play guitar. This huge amount of warmth is brought up by its solid red Cedar top, which is nicely paired with the Mahogany body. The typical Venetian cutaway opens up to its slim neck and Brownwood fretboard and offers you a smooth playing experience. Specially designed bracing inside the guitar is able to pick up every little small detail of your playing style and make them sound wonderful.

#### Body

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Top: **solid red Cedar**  
Back & sides: **Khaya Mahogany open pore**  
Finish: **satin**  
Bridge: **Brownwood**  
Saddle: **compensated black graphite / 72 mm**

#### Neck

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Neck: **Khaya Mahogany open pore**  
Finish: **satin**  
Fingerboard: **Brownwood**  
Frets: **20 - silver nickel**  
Scale: **650 mm**  
Headstock: **Brownwood**

#### Hardware

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Machine heads: **die cast / satin black**  
Nut: **black graphite / 43 mm**

#### Electronics

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**HyVibe System**

Available in left handed



THV10DCE

**Lâg**  
GUITARS

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## HyVibe

TRAMONTANE

The THV20DCE gives all the guitarists an open road to explore all the possibilities the HyVibe system can offer. The guitar features a solid Engelmann Spruce top, well known in the guitar world for its combination of strength and elasticity that translates into a full and rich sonic range. The THV20DCE allows every kind of playing from aggressive strumming to delicate fingerpicking; its Lâg signature thin-profile neck makes the guitar even more versatile. All these specifications combined with the specially selected Ovangkol back & sides create a guitar not only visually appealing but with a wide and precise projection.

### Body

Top: **solid Engelmann Spruce**  
Back & sides: **Ovangkol**  
Finish: **glossy**  
Bridge: **Darkwood**  
Saddle: **compensated black graphite / 72 mm**

### Neck

Neck: **Khaya Mahogany open pore**  
Finish: **satin**  
Fingerboard: **Darkwood**  
Frets: **20 - silver nickel**  
Scale: **650 mm**  
Headstock: **Darkwood**

### Hardware

Machine heads: **die cast / satin black**  
Nut: **black graphite / 43 mm**

### Electronics

**HyVibe System**

**Hardshell case included**  
**Available in left handed**

# 30 HyVibe TRAMONTANE

The THV30DCE abound with refined details and sonic optimizing features: every piece of wood is carefully selected for its tonal characteristics and aesthetic properties. The top is carved out of a specially selected bearclaw Spruce, which takes the sonic print of Sitka spruce and expands it thanks to its higher stiffness. Together with the breathtaking deep hued Crazy Bocote body, the THV30DCE turns out to be a guitar that is incredibly responsive. All those features do not make this guitar only easy and pleasant to play, but mostly unique.

## Different shapes available

- GLH THV30DCE** Dreadnought Cutaway
- GLH THV30ACE** Auditorium Cutaway

### Body

Top: **solid bearclaw Spruce**  
Back & sides: **Crazy Bocote**  
Finish: **glossy**  
Bridge: **Blackwood**  
Saddle: **compensated black graphite /72 mm**  
with pearl inlaid pins

### Neck

Neck: **Khaya Mahogany open pore**  
Finish: **satın**  
Fingerboard: **Blackwood**  
Frets: **20 - silver nickel**  
Scale: **650 mm**  
Headstock: **Blackwood**

### Hardware

Machine heads: **die cast / satin black**  
Nut: **black graphite / 43 mm**

### Electronics

**HyVibe System**

**Hardshell case included**  
**Available in left handed**



THV30DCE

**LAG**  
GUITARS



# LAG HyVibe

PLEXI-WHT

The THV PLEXI-WHITE has been specially designed to allow the customer to see the inside of the guitar and understand what's behind the magic of the HyVibe system : There is barely nothing to see! The perfect head-turner in shop!

As on a standard THV you can use all the embedded effects (Reverb, chorus, echo, tremolo, phaser, distortion and more), play on your own loops thank to the looper feature or play on your favorite songs with the bluetooth speaker function.

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## Body

Top: **solid Red Cedar**  
Back : **Transparent Plexi**  
sides: **Khaya Mahogany**  
Finish: **glossy white**  
Bridge: **Blackwood**  
Saddle: **compensated black graphite / 72 mm**

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## Neck

Neck: **Khaya Mahogany**  
Finish: **satın**  
Fingerboard: **Blackwood**  
Frets: **20 - silver nickel**  
Scale: **650 mm**  
Headstock: **glossy white**

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## Hardware

Machine heads: **die cast / satin black**  
Nut: **black graphite / 43 mm**

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## Electronics

**HyVibe System**

**Hardshell case included**

# 10

## HyVibe

### TRAMONTANE NYLON

Ever wonder to have the sound of a classical guitar but the filling of a steel string guitar? Our Tramontane Nylon series is the answer to this question. Solid red Cedar top and mahogany back and sides for the warmth, 46mm wide nut and venetian cutaway for the playability, HyVibe system for the endless possibilities.

#### Body

Top: **solid AA red cedar**  
Back & sides: **Cognac Brow khaya**  
Finish: **glossy**  
Bridge: **Blackwood**  
Saddle: **compensated black graphite / 72 mm**

#### Neck

Neck: **khaya**  
Finish: **satin**  
Trussrod: **2 ways**  
Fingerboard: **Blackwood**  
Frets: **20 - silver nickel**  
Scale: **650 mm**  
Headstock: **Blackwood - maple logo inlay**

#### Hardware

Machine heads: **classical 1 :18 ratio / satin black**  
Nut: **black graphite / 46mm**

#### Electronics

HyVibe System

Available in left handed



TNHV10

**LAG**  
GUITARS

# 10

## HyVibe CLASSIC

On our guitars, the features are not just a matter of aesthetics. From the solid red cedar top to the stunning glossy varnish and the now famous curved and slotted headstock, all these key features contribute to its balanced sound. And everything here is sublimated by the incredible HyVibe system.

### Body

Top: **solid red cedar**  
Back & sides: **Cognac Brown khaya**  
Finish: **glossy**  
Bridge: **Blackwood**  
Saddle: **graphite / 80 mm**

### Neck

Neck: **Khaya**  
Finish: **satin**  
Fingerboard: **Blackwood**  
Frets: **19 - silver nickel**  
Scale: **650 mm**  
Headstock: **Blackwood**

### Hardware

Machine heads: **classical 1 :18 ratio**  
/ **satin black**  
Strings: **Savarez 510 CRJ/V**  
Nut: **black graphite / 51 mm**

### Electronics

**HyVibe System**



Powered by



Dr. Adrien Mamou-Mani serves as co-founder and CEO of HyVibe. Prior to creating HyVibe, he was the lead researcher for the Ircam Instrumental Acoustics team. He holds a PhD in Acoustics and Mechanics from the University Pierre et Marie Curie (Paris) and has been a post-doctoral researcher at the Paris Philharmonic Museum (Paris) and at the Open University Acoustics Laboratory United Kingdom as Newton Fellow. Adrien is recognized as a world expert in vibration and control of musical instruments. He is also a cellist and has been known to play guitar and sing in rock clubs around Paris!

[www.lagguitars.com](http://www.lagguitars.com)

HyVibe is a registered trademark owned by HyVibe SA.  
The HyVibe System uses proprietary technology owned by HyVibe SA. Patents pending.  
Låg specifications are subject to change in order to search for perfection permanently.