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 Doctor 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.

Playing the acoustic guitar will never be the same.

“It just sounds amazing. This is really just an incredible innovation.”
- Guitar World Magazine

“HyVibe gives its acoustic guitar some digital smarts.”
- New Atlas

“HyVibe is committed to revolutionizing the acoustic guitar industry with an attractive connected instrument.”
- Musicradar
10 REASONS TO PLAY THE LÂG/HYVIBE SMART 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.

Self amplification from vibration
Use all the features, effects and play over your favorite songs or backing tracks using the bluetooth speaker function, all without wires or cables, easily and directly through your guitar.

Multi-effects processor
Self-amplify customizable guitar effects such as chorus, reverb, distortion, phaser, pitch-shifter, tremolo, acoustic boost, etc. directly from the body of the guitar. No pedals, speakers or wires are needed anymore! Play with these built-in effects as well when you are plugged into an amp or a PA system.

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!

Loop, record and share
Experience the fun of creating loops and jamming over them, directly through the guitar. Instantly record new song ideas and share them with your friends (8GB of storage).

HyVibe mobile app
Use the HyVibe mobile app to customize your effects, shape your sound, record your playing, activate the looper and much more.

Programmable EQ with tuner
The Lâg HyVibe comes complete with a fully programmable (via the HyVibe mobile app) and powerful 7 band EQ to shape your sound just as you want it. The guitar also has a built-in digital chromatic tuner.

Metronome
Use the integrated metronome to train and practice your rhythm. The easily programmable rhythm motifs cover all musical styles.

Long life battery
The extended long life battery allows you to play, loop and stream for up to 10 hours/charge. You can charge it easily thanks to its USBC charging port, or use a power bank away from home and play while it is charging.

Standard output end input jacks
Use all the features through an amp or a PA system thanks to the output jack, allowing on stage performance. Input jack for external devices is also included (pedals, PC, etc.).
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.

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

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.

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.
INTRODUCING THE LÂG/HYVIBE SMART GUITAR

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 detail of your playing style and make them sound wonderful.

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

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

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

**Electronics**
- HyVibe System

Available in left handed
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: Brownwood
Saddle: compensated black graphite / 72 mm

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

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

Electronics
HyVibe System

Hardshell case included
Available in left handed

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 Bocote body, the THV30DCE turns out to be a guitar that is incredibly responsive, with full and rich midrange and impressive sustain. Once again, all this would be nothing without a great playability: cutaway, Lâg slim neck profile, Blackwood fingerboard, all those features do not make this guitar only easy and pleasant to play, but mostly unique.

Body
Top: solid bearclaw Spruce
Back & sides: figured Bocote
Finish: glossy
Bridge: Blackwood
Saddle: compensated black graphite / 72 mm with pearl inlayed pins

Neck
Neck: Khaya Mahogany open pore
Finish: satin
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
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!