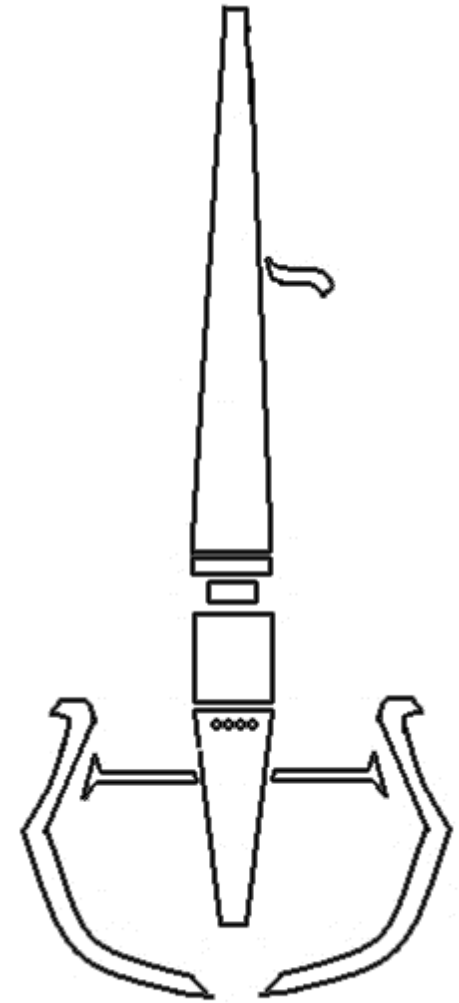




# USER GUIDE



# Getting To Know Your Chello.



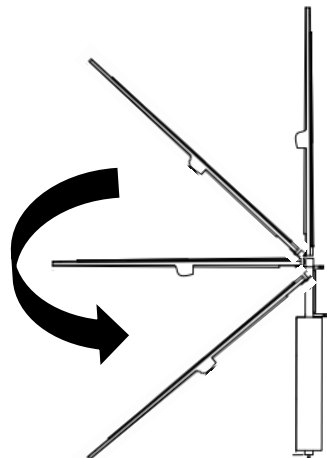
## BOW MODE

Use the Bow Mode button to change between classical mode, extension mode and plucking mode.



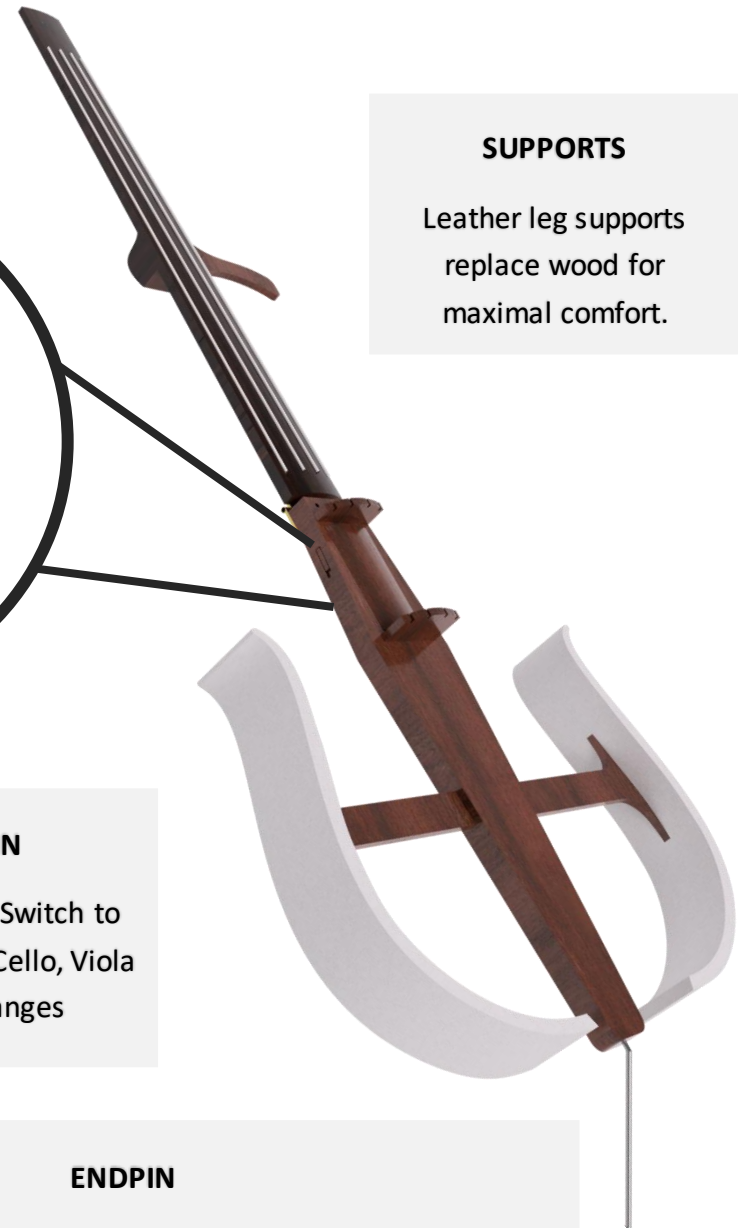
## TRANSPOSITION

Use the Multi-Position Switch to Toggle Between Violin, Cello, Viola and Double Bass ranges



## PORTABILITY

Apply pressure to the side of the hinge joint to unlock the Chello from its resting position. Magnets lock the Chello in playing position. Fold the Chello 180° for efficient storage.



## SUPPORTS

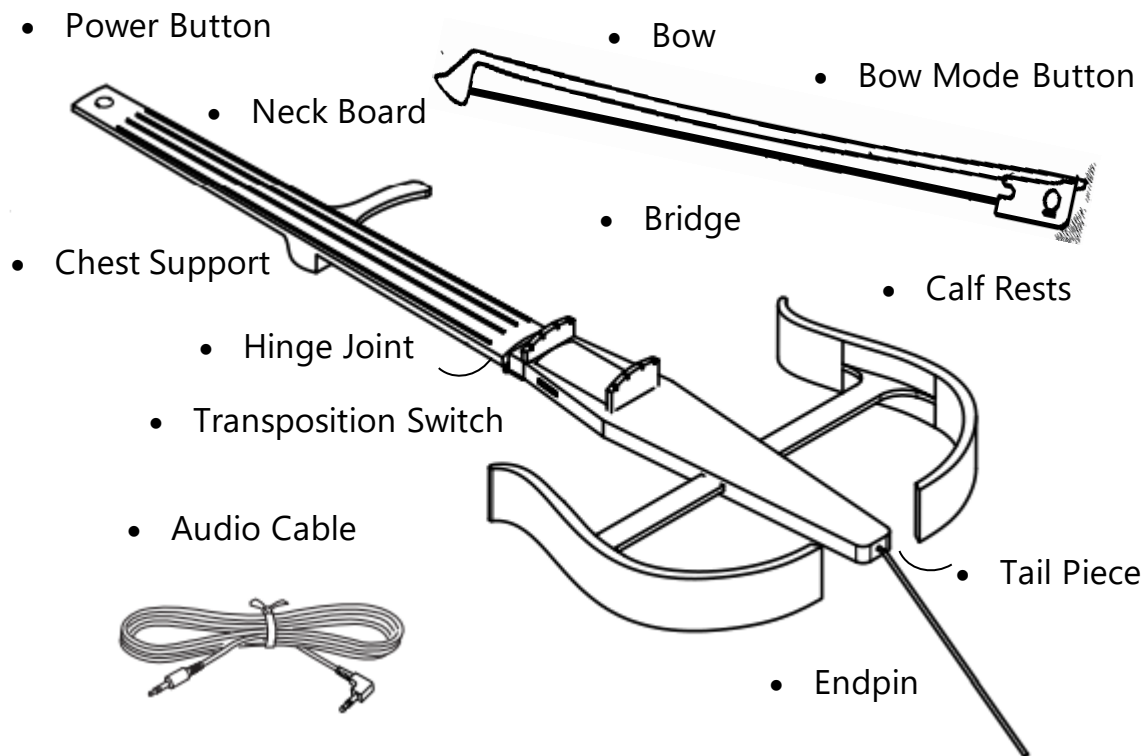
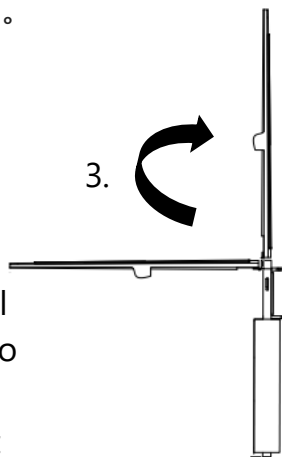
Leather leg supports replace wood for maximal comfort.

## ENDPIN

Retract and angle the endpin for personal fit. The endpin can achieve a maximum angle of 35°

## ASSEMBLY

1. Remove Chello from Casing
2. Extend Endpin and angle at 35°
3. Rotate neck board 180° and lock by applying pressure at hinge joint
4. Slot calf rests into tail piece
5. Plug adapter into labelled USB port at the back of the tail piece, connect the other end to a wall outlet
6. Charge for an hour before first time use
7. Extend the bow by stretching it along its length
8. Plug the audio cable into the AUX out port on the back of the tail piece, connect the other end to an amplifier/speaker
9. Press the Power Button
10. Put the bow in contact with the bridge strings and Play Away!



\*By default, the Chello contains an onboard synthesizer. To attach to a Helm or an Analog Synthesizer refer to *Page 5*.

### Transposition Switch

- Position 1: Cello (Default)
- Position 2: Violin
- Position 3: Viola
- Position 4: Double Bass

### Bow Mode

- Classical Mode: Velocity of bow produces sounds (Default)
- Plucking Mode: Use your fingers to play the Chello and produce authentic plucking sounds (Press Button Once)
- Extension Mode: Play infinite notes by putting bow or fingers in contact with strings (Press Button Twice)

# Overview of Features.



## PORTABILITY

Tired of leaving your cello behind while travelling abroad? Fed up with needing to book a flight seat for your cello?

Here's our fix:

The Chello's compact design allows for the instrument to fit in standard carry-on luggage.



## TRANSPOSITION

Need an all-encompassing string instrument? Ever wanted to take the lead on more compositions?

Now you can:

Embody the Violin, Viola and Double Bass with the Chello by transposing the strings to play different ranges.



## ANGLED ENDPIN

Not only is the Chello endpin retractable. Our ergonomic experts have designed an endpin that maximizes proper posture by easing tension in the back and legs during playing. Extend the endpin to a maximum mounting angle of 35° to experience a new level of comfort.



## HASSLE-FREE TUNING

Fear that the humidity will ruin your pristine cello?

Fear No More:

Avoid tuning during and between performances. The Chello's insensitivity to humidity allows for you to play the Chello in a wider range of environmental conditions.

## Technical Specifications:

- Bow Dimensions: 71.2 x 4.1 x 1.2 cm
- Compressed Bow: 11.2 x 4.1 x 1.2 cm
- Casing Dimensions: 55 x 40 x 23 cm
- Chello Dimensions: 128.2 x 44 x 6 cm

Net Weight: 2.5 kg  
Battery Life: 7 Hours  
Power Supply: 12 V

# Getting Started With Helm.



Helm is a digital synthesizer used to interface with the Chello to provide you with a great deal of flexibility with the sounds you produce.

## Analog Synthesizer Integration.

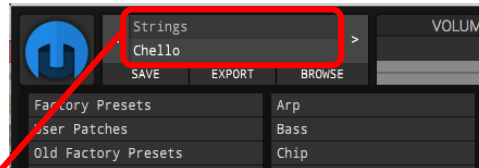
An analog synthesizer may be wired up in the place of Helm or the on-board synthesizer. Output jacks are located at the back of the tailpiece.

- Use one of the provided auxiliary audio cables to connect AUX OUT to an amplifier or speaker.
- Connect the VCO port to the Control Voltage Input of the VCO Board on the Analog Synth.
- Connect the Mixer port to the Control Voltage Input of the Mono Mixer on the Analog Synth.

1 Download Helm Synthesizer for PC or MAC  
<http://tytel.org/helm/downloads/>

2 Download Chello Patch for Helm  
<https://github.com/lbingeman/Chello/tree/master/MIDI%20Files>

3 Startup Helm

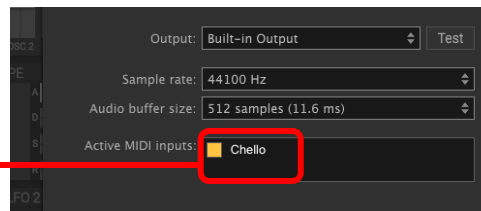


4 Open Chello.helm in Helm  
If previously installed, this should be under the *Strings Bank*

5 Use the Micro USB Cable to Plug the Chello into Your PC or MAC

6 Press the Blue Helm Button On the Top Left of Helm

7 Select Chello as the MIDI Output





# GENERAL SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS THOROUGHLY PRIOR TO USING THE CHELLO

Save these instructions after reading through the warnings for future reference. Incorrect handling of this product could potentially result in physical damage or injury. The manufacturer assumes no responsibility for any damage and/or personal injury caused by exercising the product beyond normal usage as defined in this user manual.

## WARNING

TAKE THE FOLLOWING PRECAUTIONS TO AVOID PERSONAL INJURY OR EVEN DEATH DUE TO MISHANDLING THE PRODUCT:

1. Do not place high voltage sources in contact with the strings at the bridge or bow of the Chello.
2. Do not use in wet, overly humid, or heated conditions.
3. Keep fingers away from the hinge on the body of the Chello.
4. Do not use the Chello near sources of fire such as matches, cigarettes, stoves or other unenclosed flames.
5. Do not put any unintended external objects into the audio jacks or ports.
6. Keep the charging cord away from heated surfaces, avoid applying excessive pressure on the cord and refrain from using the cord to carry the product. Do not use any AC adapter other than the one provided. Do not attempt to plug the cord into non-Type B outlets. (North American Standard)
7. Avoid tampering with the circuitry. For assistance with hardware or repair information reach out the Chello *Helpline*.
8. Avoid contact with the uncovered endpin. Keep eyes away from the exposed endpin and take caution if handling around pets or children.

## CAUTION

NEGLECTING THESE INSTRUCTIONS COULD RESULT IN AN INJURY OR DAMAGE:

1. Ensure that the Chello is charged prior to using it with headphones. Avoid charging the Chello while using headphones.
2. Obey local laws on disposing the battery if needed. Do not short circuit the battery.
3. Avoid any magnetic contact that is unshielded or unprotected near the Chello.
4. Store the Chello carefully and avoid placing heavy objects on the Chello. Avoid placing heavy objects on the bridge at all costs.
5. Ensure that the Chello is in locked position prior to playing it. Make sure the unit is placed on level surfaces. Do not play the Chello on inclined surfaces.