



## CR Series Cello

### INSTRUCTIONS

#### STAND

Remove the stand from the gig bag. Open and secure the legs so that the two front legs give the widest possible stance (as shown). The shorter back leg should be at a slight angle, so that the main post tilts back slightly.

Remove the cello from the padded inner bag. Screw the large thumb screw at the top of the stand into the threaded insert on the back of the cello. Adjust as desired, making sure that the weight of the cello is centered and stable on the stand.

Note that the stand is designed to be highly adjustable, and therefore the cello can be set in various positions, including horizontal.

**Caution:** It is possible to set up the stand in an unstable position. Test the stability by tipping the cello so that each leg lifts slightly, and be sure that it returns securely.



#### CONTROLS

**Knob 1** - Volume

**Polar™ Pickup 3-Way Toggle Switch** - Pickup Mode

- Up position: for a sustained, guitar-like sound when plucked, but is not generally suitable for bowing.
- Center position: arco mode optimized for bowing. Full frequency response provides a more “electric” tone.
- Down position: arco mode with “acoustic” filters activated. Provides a more traditional acoustic tone.

Three small screws, accessible through the back plate, allow adjustment of the output in each of the three toggle switch positions.

**Knob 2** - Treble; boost and cut.

**Knob 3** - Bass; boost and cut.

#### STRING HEIGHT / ACTION

Adjust bridge height set screws, accessible from the back, with Philips screwdriver.

#### TRUSS ROD / NECK RELIEF ADJUSTMENT

To play well, the surface of the fingerboard should not be perfectly straight, but rather it should have a slight downward curve (dip) from end to end. The truss rod which is built into the neck allows adjustment to the degree of curvature. Use 5 mm inch hex wrench. Access is just below the nut. Clockwise rotation tightens the truss rod to decrease relief.

## BATTERIES

Always unplug the cello when not in use to save the batteries. Change both 9 volt batteries at the first sign of distortion. These are located inside the lower back plate, and can be accessed by loosening the two small thumb screws that hold the back plate in place.

## STRING REPLACEMENT

The CR Cello is designed to fit standard cello strings. Thread strings through the bottom end of the body, over the bridge and wrap around the tuner in the conventional manner. The bridge is held in place by the strings, so it is best to change one string at a time. Check the tilt of the bridge, which should be roughly parallel to bridge slot, and the alignment of the strings, which should be centered on the neck.

## INSTRUMENT OVERVIEW

The solid-body CR Cello, available with 4, 5 or 6 strings, is able to produce the delicate and precise tones of an acoustic, as well as to create exciting new sounds through the tone shaping geometry of its innovative Polar™ piezo pickup system.

Three interchangeable support systems provide new performance options. A fully adjustable Tripod Stand (included) can be used seated or standing. The inventive Frame Strap System allows full mobility, while the Cello End Pin Stand provides the traditional points of cello contact in seated position.

The use of standard cello strings and scale length establishes a familiar starting point for the cellist's journey into the electric world. From there anything goes. The energetic response of the CR Cello can be tamed to deliver a traditional cello tone, or set loose to explore new territory.

## FEATURES

**SOLID MAPLE BODY AND NECK** - The CR Cello is crafted of European maple, with a flame maple face. This solid-body design develops a rich multi-dimensional tone free from feedback and other constraints inherent in an acoustic instrument. The traditional cello scale length and neck shape have a familiar feel, while the small body allows full access to the upper register. Solid construction provides structural stability to resist changes in temperature and humidity.

**EBONY FINGERBOARD** - The solid ebony fingerboard is graduated for each string for ideal playing action. Cascading dot markers provide an attractive and precise reference for fingering/intonation.

**POLAR™ PICKUP SYSTEM** - The CR Cello features the Polar bridge-mounted piezo pickup system. The Polar pickups can sense either vertical or lateral string vibration. Set in the vertical mode, plucked notes are remarkably even and sustained. In the lateral mode, the pickup has unparalleled sensitivity in the direction of the bow, with more attack when plucked.

**ACTIVE ELECTRONICS** - Active EMG 18-volt pre-amp, mono output. The dual mode preamp allows the player to choose between two very distinct tone qualities. The first mode delivers the full frequency response of modern low impedance electronics, for a rich, full-blown "electric" sound. The second is balanced to produce the frequency response of the traditional cello, for a more "acoustic" sound. A three-way toggle switch allows the player to select the desired pickup and electronics options. Additional controls include volume and individual bass EQ & treble EQ controls. The 18 volt power supply ensures plenty of reserve overhead for full dynamics.



**CONSTRUCTION** - Straight grain solid rock maple body, neck & peghead, with a flame maple face on body and peghead.

**FINISH** - Traditional amber stain with polymer topcoat.

**ADJUSTABLE BRIDGE** - Hard maple dyed black. Screws at the back of the body adjust bridge height.

**STRING SPACING** - (at nut, at bridge):  
4-string: 2.4 cm (0.94"), 4.8 cm (1.9")  
5-string: 3.0 cm (1.18"), 6.1 cm (2.4")  
6-string: 3.3 cm (1.3"), 7.1 cm (2.8")

**TUNING MACHINES** - Schaller 18:1 ratio, fully-encased worm gear tuners, black finish.

**TRUSS ROD** - Adjusts neck camber for optimum playing action.

**STRINGS** - Compatible with most standard cello strings. NS 510 Electric cello strings by D'Addario standard.

## DIMENSIONS

|                     |                  |                                    |                  |
|---------------------|------------------|------------------------------------|------------------|
| <b>LENGTH</b>       | 94 cm (37")      | <b>WIDTH</b>                       | 14 cm (5.5")     |
| <b>THICKNESS</b>    | 9.5 cm (3.75")   | <b>WEIGHT</b> (instrument only)    | 2.5 kg (5.5 lbs) |
| <b>SCALE LENGTH</b> | 69.5 cm (27.36") | <b>WEIGHT</b> (w/ stand & gig bag) | 4.6 kg (10 lbs)  |

## SUPPORT AND TRANSPORT OPTIONS

**Tripod Stand** - Steel and aluminum fully adjustable, self-standing tripod design. Supplied as standard equipment, the Tripod Stand provides stable support, with full height and tilt adjustment. Folds for easy storage and fits in gig bag.

**End Pin Stand** - An optional Cello End Pin Stand offers the cellist a more traditional position, similar to that of an acoustic instrument. Knee & chest contact for a traditional feel. Black-dyed ash, with adjustable endpin with rubber tip.

**Frame Strap System** - A light frame structure is supported by a single guitar style strap extending over the left shoulder. This holds the cello in the correct position for both pizzicato and arco styles. With the strap system you can achieve full mobility with amazing comfort. Black-dyed ash frame.

**Padded Gig Bag** - Standard, the padded gig bag is only 100 cm (40") long and 18 cm (7") in diameter, and weighs 4.6 kg (10 lbs) with the instrument and tripod stand. Outer storage pockets provide room for accessories.

**Flight Case** - An optional hardshell flight case, measures 110 x 25 x 25 cm (43" x 10" x 10") and weighs 13 kg (28 lb) fully loaded with instrument & tripod stand.

**Features and specifications subject to change without notice.**

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