



Feature Comparison Guide

Violin • Viola • Cello • Omni Bass • Upright Bass • Bass Guitar

Shared Features

- Adjustable height bridge
- Patented Self-Clamping Tuning System
- Polar™ Pickup System
- Maple Neck/Body/Reference Bout/Bridge
- Custom Shoulder Rest
- Ebony Fingerboard/Chin Rest
- Scale Length: 330 MM (13")
- Length: 540 MM (21.25"); Width: 110 MM (4 5/16"); Thickness: 65 MM (2 9/16")
- Compatible with any solid and stranded core violin strings, D'Addario™ NS Electric violin strings are standard. High stretch synthetic core strings not recommended.
- Custom hardshell case standard with bow holder, handle, strap and accessory compartment
- Optional NS accessories include: Violin Bow, Balanced Shoulder Rest, Adjustable Chin Rest, Violin Caddy, Flight Case

Series-Specific Features

	CR	NXTa	WAV
Electronics	9-Volt Active, EMG™ onboard preamp	Battery-Free Dual Mode Active/Passive	Passive, high impedance output
Controls	Rotary for Volume, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics	Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System	Rotary for Volume, Tone (Treble roll off)
Weight	720g	610g	695g
Finish	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body	Flame Maple face with transparent high gloss lacquer, stain undercoating. Amberburst, Transparent Red, Transparent Black
Other	1/8" headphone jack for silent practice and self-monitoring	Includes NXTa AC charger	
Options	Fretted or fretless; 4 and 5 String (low C)	Fretted or fretless; 4 and 5 String (low C)	4 and 5 string (Low C)
Origin	Czech Republic	Czech Republic	India



Shared Features

- Adjustable height bridge
- Patented Self-Clamping Tuning System
- Polar™ Pickup System
- Maple Neck/Body/Reference Bout/Bridge
- Custom Shoulder Rest
- Ebony Fingerboard/Chin Rest
- Scale Length: 366 mm (14.4"); String spacing: Bridge 18 mm (0.7") Nut 38 mm (1.5")
- Length: 585 mm (23"); Width: 116.8 mm (4.6"); Thickness: 51 mm (2")
- Manufactured in the Czech Republic
- Compatible with any solid and stranded core viola strings, D'Addario™ NS Electric viola strings are standard. High stretch synthetic core strings not recommended.
- Custom hardshell case standard with bow holder, handle, strap and accessory compartment
- Optional NS accessories include: Balanced Shoulder Rest, Adjustable Chin Rest, Violin Caddy, Flight Case

Series-Specific Features

	CR	NXTa
Electronics	9-Volt Active, EMG™ onboard preamp	Battery-Free Dual Mode Active/Passive
Controls	Rotary for Volume, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics	Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System
Weight	775g	650g
Finish	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body
Other	1/8" headphone jack for silent practice and self-monitoring	Includes NXTa AC charger
Model Options	4 String CGDA	4 String CGDA



Shared Features

- Adjustable height bridge
- Polar™ Pickup System
- Maple Neck/Body/Bridge
- Hand-graduated fingerboard; Intonation referenced with cascading dot markers.
- Adjustable truss rod for precise fingerboard relief adjustment.
- Scale Length: 69.5 cm (27.36")
- Length: 94 cm (37"); Width: 14 cm (5.5"); Thickness: 9.5 cm (3.75")
- Padded gig bag standard with bow holder, handle, strap and accessories pouch
- Tool kit, Owners Manual
- Optional NS accessories include: Cello Bow, Cello End Pin Stand, Cello Neck Heel (Thumbstop), Frame Strap System, Boomerang™ Strap System, Flight Case

Series-Specific Features

	CR	NXTa	WAV
Electronics	18-volt active onboard preamp by EMG™	Battery-Free Dual Mode Active/Passive	Passive, high impedance output
Controls	Rotary for Volume, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics	Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System	Rotary for Volume, Tone (Treble roll off), 2-way toggle switch for Polar Pickup System
Tuning Machines	Schaller™, 18:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.
Fingerboard	Richlite™	Richlite™	Rosewood or Coform™
Weight	2.5 kg (5.5 lbs.)	1.9 kg (4.2 lbs.)	2.1 kg (4.7 lbs.)
Finish	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body	Flame Maple face with transparent high gloss lacquer, colored stain undercoating for Ambergurst, Transparent Red, Transparent Black
Stand	CR Tripod Stand	NXT Cello Tripod Stand	NXT Cello Tripod Stand
Other	1/8" headphone jack for silent practice and self-monitoring; Brass escutcheon pin on the rear of the neck serves as a reference point corresponding to the heel of an acoustic cello.	Includes NXTa AC charger. Brass escutcheon pin on the rear of the neck serves as a reference point corresponding to the heel of an acoustic cello.	
Model Options	Fretless or Fretted. 4 string tuning: CGDA; 5 string tuning: FCGDA; High E tuning also available by request: CGDAE; 6 string tuning: FCGDAE.	Fretless or Fretted. 4 string tuning: CGDA; 5 string tuning: FCGDA; High E tuning also available by request: CGDAE.	4 string tuning: CGDA; 5 string tuning: FCGDA
Origin	Czech Republic	Czech Republic	India



Shared Features

- Adjustable height bridge
- Polar™ Pickup System
- Maple Neck/Body/Bridge
- Scale Length: 34" (86.36cm)
- Hand graduated fingerboard, asymmetric relief, TransRadius™ profile, 9.25" radius at the nut, 2" radius at the bridge; cascading dot pattern for position reference
- Adjustable truss rod for precise fingerboard relief adjustment
- Boomerang™ Strap System
- Length: 113 cm (44.5"); Width: 146 cm (5.75"); Thickness: 8 cm (3.2")
- Padded gig bag standard with bow holder, handle, strap and accessories pouch
- Optional NS accessories include: German or French Bass Bow, Bass End Pin Stand, CR Tripod Stand, CR Stand Conversion Kit, NXT Tripod Stand, Bass Neck Heel (Thumbstop), Frame Strap System, Flight Case

Series-Specific Features

	CR	NXTa	WAV
Electronics	18-volt active circuit; Low impedance EMG™ magnetic pickup system, with individually adjustable coils, neodymium magnets and low noise, hum-canceling preamp.	Battery-Free Dual Mode Active/Passive	Passive, high impedance output
Controls	Rotary for Volume, Balance pickups, Balance Polar, Treble EQ, Bass EQ; 3-way toggle switch for Polar Pickup System and Electronics	Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System	Rotary for Volume, Tone (Treble roll off), 2-way toggle switch for Polar Pickup System
Tuning Machines	Schaller™, 20:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.
Fingerboard	Richlite™	Richlite™	Rosewood or Coform™
Finish	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body	Flame Maple face with transparent high gloss lacquer, colored stain undercoating for Ambergurst, Transparent Red, Transparent Black.
Weight	3.23 kg (7.2 lbs.)	3.2 kg (7 lbs.)	3.23 kg (7.2 lbs.)
Other		Includes NXTa AC charger	
Model Options	Fretted or fretless. 4-string EADG; 5-string BEADG or EADGC. Fifths tuning available: CGDA (low to high in 5ths) for 4-string, or CGDAE for 5-string. Left-handed available as Special Order.	4-string EADG; 5-string BEADG or EADGC. Fifths tuning available: CGDA (low to high in 5ths) for 4-string, or CGDAE for 5-string. Left-handed available as Special Order.	4-string EADG; 5-string BEADG or EADGC
Origin	Czech Republic	Czech Republic	India

NS Upright Bass

Shared Features

- Adjustable height bridge
- Polar™ Pickup System
- Maple Neck/Body/Bridge
- Hand graduated fingerboard, asymmetric relief, with cascading dot pattern for position reference.
- Adjustable truss rod for precise fingerboard relief adjustment.
- Scale Length: 106 cm (41.73").
- Length: 132 cm (52"); Width: 15 cm (6"); Thickness: 10 cm (4")
- Compatible with most standard ¾ size upright bass strings.
- Padded gig bag standard with bow holder, handle, strap and accessories pouch

Optional NS Accessories

German or French Bass Bow, Bass End Pin Stand, CR Stand Conversion Kit (works with CR Tripod Stand), Bass Neck Heel (Thumbstop), Frame Strap System, Boomerang™ Strap System, Flight Case. Instruments with CR stand also accept NXT stand and vice versa.

Series-Specific Features

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	EU	CRM	CR	CRT	NXTa	WAV
Electronics	18-volt active circuit by EMG™. Low impedance EMG magnetic pickup system, with individually adjustable coils, neodymium magnets and low noise, hum-canceling preamp.	18-volt active circuit by EMG™. Low impedance EMG magnetic pickup system with individually adjustable coils, neodymium magnets and low noise, hum-canceling preamp.	18-volt active circuit by EMG™.	18-volt active circuit by EMG™.	Battery-Free Dual Mode Active / Passive	Passive, high impedance output
Controls	Rotary for Volume, Balance pickups, Balance Polar, Treble EQ, Bass EQ	Rotary for Volume, Balance pickups, Balance Polar, Treble EQ, Bass EQ	Rotary for Volume, Balance, Treble EQ, Bass EQ	Rotary for Volume, Balance, Treble EQ, Bass EQ	Rotary for Volume, Tone (Treble roll off); Push Pull for Active/Passive Mode; 2-way toggle switch for Polar Pickup System	Rotary for Volume, Tone (Treble roll off), 2-way toggle switch for Polar Pickup System
Tuning Machines	Schaller™, 20:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	Schaller™, 20:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	Schaller™, 20:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	Schaller™, 20:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.	12:1 ratio, heavy-duty, fully encased worm gear tuners; black finish.
Fingerboard	Richlite™.	Richlite™	Richlite™	Richlite™	Richlite™	Rosewood or Coform™
Weight	4 kg (9.5 lbs.)	4.8 kg (10.5 lbs.)	4.8 kg (10.5 lbs.)	4.8 kg (10.5 lbs.)	4.8 kg (10.5 lbs.)	4.1 kg (9 lbs.)

Series-Specific Features

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	EU	CRM	CR	CRT	NXTa	WAV
Finish	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Flame maple, traditional Amber finish. Also available: Quilted Maple, Poplar Burl, Zebrawood, Slate Gray.	Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model) on body	Flame Maple face with transparent high gloss lacquer, Amberburst, Transparent Red, Transparent Black. Brilliant White model is opaque with high gloss lacquer.
Other	27 alternating layers of rock maple and graphite fiber laminated in an epoxy matrix. The entire back of the neck is curved to follow the fingerboard surface, creating a broad pocket for the thumb. Neck thickness under 1". D'Addario™ NS Electric Flat Wound Upright Bass strings.			D'Addario™ NS Electric Traditional Flat Wound Upright Bass strings. Brass button 'reference' at D neck. Bridge height raised	Includes NXTa AC charger	
Stand	CR Tripod Stand	CR Tripod Stand	CR Tripod Stand	CR Bass End Pin Stand	NXT Upright Bass Tripod Stand	NXT Upright Bass Tripod Stand
Model Options	4-string EADG; 5-string BEADG; 6-string BEADGC; left-handed models available by special order	4-string EADG; 5-string BEADG; left-handed models available by special order	4-string EADG; 5-string BEADG; left-handed models available by special order	4-string EADG; 5-string BEADG; left-handed models available by special order	4-string EADG; 5-string BEADG; left-handed models available by special order	4-string EADG; 5-string BEADG
Origin	Czech Republic	Czech Republic	Czech Republic	Czech Republic	Czech Republic	India



Shared Features

- Adjustable string action and intonation
- Maple Neck/Body
- Concave Diradial™ Body Design
- Headless, bolt-on neck with volute thumb reference at the nut.
- Adjustable truss rod for precise fingerboard relief adjustment.
- Patented Self-Clamping Tuning System
- 4 String: Scale Length: 34". Neck Radius: 15"
- 5 String: Scale Length: 35". Neck Radius: 15"
- D'Addario™ EXL 170 Nickel Round Wound Bass Guitar strings are standard. Compatible with any standard single-ball end, full-scale bass guitar strings.
- Padded gig bag standard with handle, backpack straps and gear pouch

Series-Specific Features

	CR	NXTa	WAV
Electronics	EMG™/NS Integral system with EMG Radius custom magnetic pickups and NS Polar™ pickup system, 18-volt active onboard preamp	EMG™/NS Radius custom magnetic pickups, battery-free dual-mode Active/Passive output electronics	EMG™/NS Integral system with EMG Radius custom magnetic pickup and NS Polar™ pickup system, 9-volt active onboard preamp
Controls	Rotary for volume, active Treble cut/boost, active Bass cut/boost, magnetic/piezo pickup blend, 3-position magnetic pickup selector switch, and 3-position piezo EQ switch	Individual rotary volume control for neck and bridge pickup, master tone control.	Rotary Volume, Pickup Balance, Magnetic Tone, Piezo Pickup Tone
Fingerboard	Ebony	Richlite™	Ebony
Weight	CR4 - 8.4 lbs.; CR5 - 8.6 lbs.	NXT4a - 7.8 lbs.; NXT5a - 8.6 lbs.	WAV4 - 8 lbs.; WAV5 - 8.2 lbs.
Finish	Flame maple with a polymer top coat: Amber Satin, Charcoal Satin, Natural Satin	Solid, straight grain maple, with maple face (Satin Black model) or flame maple face (Sunburst model)	Solid, straight grain maple: Matte Black, high gloss Metallic Crimson, high gloss Brilliant White
Other		Includes NXTa AC charger.	
Model Options	4-String, 5-String; fretted or fretless	4-String, 5-String; fretted or fretless	4-String, 5-String; fretted
Origin	Czech Republic	Czech Republic	Indonesia