

# X20 NOIR

Made to perform, anywhere

## OWNER'S MANUAL

NOIR
BY
EMERALD GUITARS

## Congrats/welcome to Emerald Guitars

Congratulations on becoming the proud owner of an Emerald Guitar! Your decision to join the Emerald community is truly exciting. You've not only acquired a masterpiece of craftsmanship but also a ticket to a world of musical excellence and camaraderie. May your new guitar bring you endless joy, inspiration, and countless musical adventures. Welcome to the Emerald family!

Alistair Hay



# To make and inspire music

**Our Vision**

Emerald Guitars envisions a future where hand-crafted artistry meets cutting-edge innovation. Designed and made in Ireland, our instruments blend traditional craftsmanship with modern production techniques, redefining what's possible in music. As pioneers in carbon fiber guitar innovation, we aim to set new standards for tonal richness, durability, and sustainability.

Our vision is to inspire musicians of all levels to achieve new heights in their artistry. By fostering a global community of musicians who share our passion for excellence and creativity, we celebrate both the art and science of crafting exceptional guitars.

With every step forward, we remain dedicated to pushing boundaries, honoring tradition, and expanding the horizons of what music can be.







# X20 NOIR

## Guitar Anatomy

1. Emerald Branded Tuners (14:1 gear ratio)
2. Graphtech low friction nut
3. Nickel frets




4. Offset soundhole
5. Innovative neck design
6. Ergonomic body
7. Richlite bridge with bridge pins
8. Graphtech low friction saddle

**Strings**
Daddario XS Phosphor Bronze, Light 12-53
(12, 16, 24, 32, 42, 53)

*Video Playlist: all about the X20 Noir; news, features and ongoing updates*

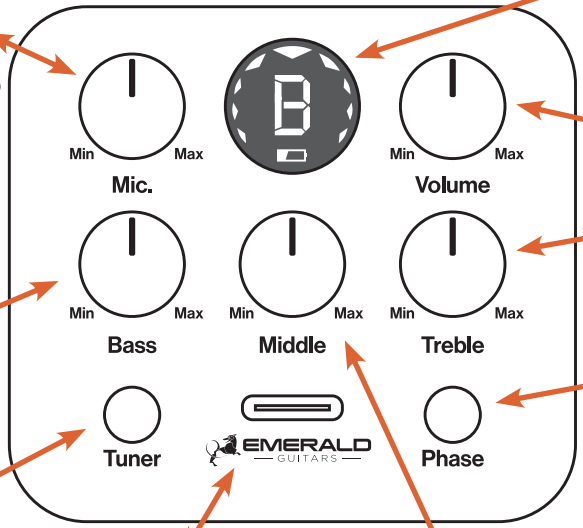
# SIDE-MOUNTED PREAMP CONTROLS

The side-mounted preamp combines an under-saddle pickup with an internal microphone, three-band EQ, volume control and built-in chromatic tuner.

**Mic:** Controls the level of the internal microphone. Blend it with the under-saddle pickup to add more of the guitar's natural acoustic character and body resonance. Higher microphone levels may increase the risk of feedback when playing at louder volumes.

**Bass:** Boosts or cuts low frequencies.

**Tuner:** Press and hold the Tuner button to switch on the built in chromatic tuner. The display will illuminate and the pickup output will be muted while the tuner is active.




**USB-C Port:** Used to charge the preamp's internal rechargeable battery.

**Tuner Display:** Shows the nearest detected note when an individual string is played and indicates whether the note is sharp or flat. When the centre indicator illuminates green, the string is in tune. The display also shows the remaining charge level of the preamp's internal battery.

**Volume:** Controls the overall output level of the pickup system.

**Treble:** Boosts or cuts high frequencies.

**Phase Button:** Reverses the phase of the output signal by 180 degrees. This can help reduce feedback and phase-related issues in certain playing environments. Try both settings and select the one that provides the fullest sound with the least feedback.

**Middle:** Boosts or cuts midrange frequencies.

To switch the tuner off, press and hold the Tuner button again for a few seconds. The display will briefly illuminate before switching off, and the pickup output will be restored.

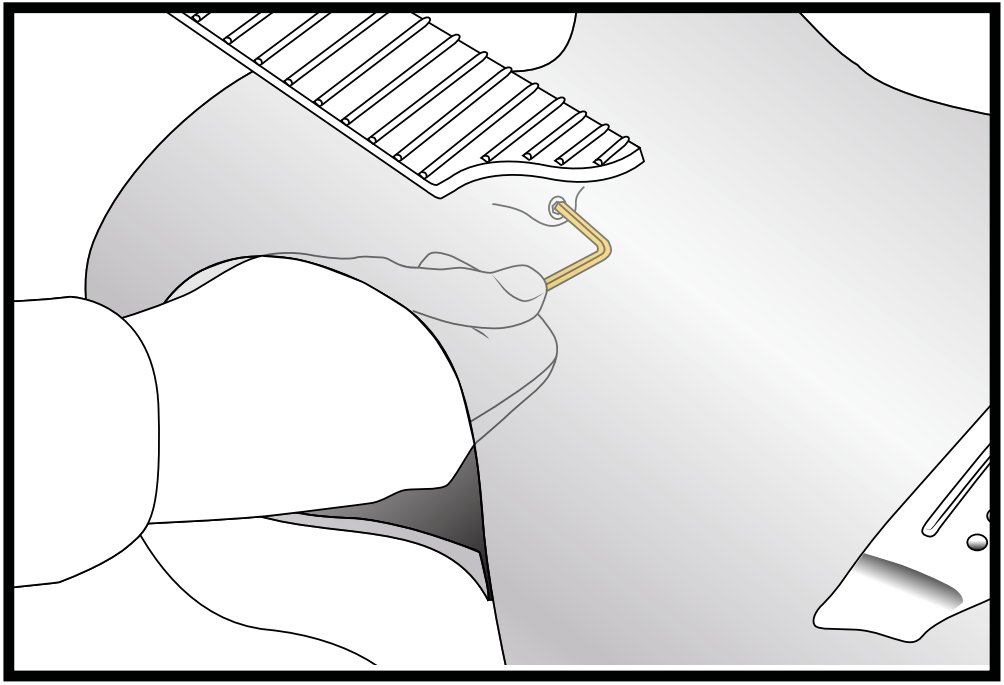
When the battery is running low, the red battery indicator will flash when the tuner is switched on or off. You can also check the battery status at any time by briefly pressing the Tuner button.

# TRUSS ROD

Your X20 is fitted with a dual-action truss rod adjusted using a 4 mm Allen key. The truss rod can be used to alter neck relief and compensate for changes in string tension. We recommend that truss rod adjustments are carried out by an experienced guitar technician.

**Turn clockwise** to reduce relief and flatten the neck — useful if the action feels high in the middle of the neck.

**Turn counterclockwise** to increase relief and add more forward bow



# CARE AND MAINTENANCE

Your Emerald Guitar has been designed using years of research and experience from our CEO Alistair Hay. Your guitar can last a lifetime through its superior materials but even these need a little maintenance routine to look and play its best.



**Cleaning Your Emerald.** After playing, wipe down the guitar's body, neck, and strings with a clean microfiber cloth to remove sweat, fingerprints, and dust.



**Dirt.** For stubborn smudges or dirt, use a damp cloth with a mild, non-abrasive guitar cleaning solution specifically designed for carbon fiber instruments.

**String Maintenance.** Replace the strings regularly, as needed, to maintain a clear and vibrant tone. The frequency of string changes will depend on your playing style and the type of strings you use. Clean the strings with a soft cloth or string cleaner after playing to remove debris and sweat.

**Temperature Considerations.** Emerald guitars are highly resistant to changes in temperature and humidity. However, prolonged exposure to extreme heat should still be avoided, as it may affect the instrument's finish, components or overall condition.

**Storage.** Store your carbon fiber guitar in its case or gig bag when not in use to protect it from dust and potential accidents.

**Travel Considerations.** When traveling with your carbon fiber guitar, use a well-padded and properly fitting case to protect it from potential damage during transport.

**Professional Maintenance.** If you notice any significant issues or changes in your guitar's performance, consult a qualified luthier or technician experienced in working with carbon fiber instruments for professional assessment and repair or contact sales@emeraldguitars.com



# EMERALD RANGE

View full range of instruments at emeraldguitars.com

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3D Builder

## NEWS & UPDATES

Emerald Community

## CONTACT US

We're here to help

*...to make and inspire music*



AMBASSADOR

## Find An Ambassador

As an Emerald Guitars owner you have experienced first hand how different and special Emerald Guitars are but what truly makes Emerald special is the family of enthusiastic owners around the world who have helped spread the word about what makes a carbon fiber Emerald Guitar so unique and special.



**Scan QR Code** to visit the Emerald Guitars Ambassador page, where you'll learn more about what an ambassador is, how to meet one and how to join the Ambassador Programme

*emeraldguitars.com/ambassador-program/*

# Warranty

To help protect your investment, Emerald Guitars provides this limited warranty. If your guitar ever develops a problem that you believe is covered under warranty, feel free to contact us via e-mail; sales@emeraldguitars.com

Emerald Guitars warrants solely to the original retail purchaser of this Emerald musical instrument that the instrument purchased shall be free from defects in materials and workmanship under normal use for a period of three years from the date of purchase, or until the ownership of the instrument is transferred to another.

### This Limited Warranty does not cover:

Normal wear and tear (i.e., worn machine heads, worn plating, string replacement, scratches or damages to or discoloration of the instrument finish for any reason).
The subjective issue of tonal characteristics.
Any instrument that has been damaged due to misuse, negligence, accident, or improper operation.
Any instrument upon which unauthorised repair or service has been performed.

Any factory-installed electronics after a period of one year following the original date of purchase.

Emerald does not warranty the playability of an instrument whose 'action' is lower than the factory standard or whose string gauge is different than the factory standard.

### Limitation on Obligations

The obligations of Emerald hereunder are limited to repair or replacement of parts of the instrument found to be defective under this Warranty. In no event shall Emerald be liable for any indirect, incidental or consequential damages, including but not limited to time, wages or lost profits, of any nature or kind or for damages to or loss of property.

**THIS WARRANTY IS THE SOLE WARRANTY OF R & J HAY LIMITED WITH REGARD TO EMERALD INSTRUMENTS, AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PURPOSE.**

### No Other Warranties

The Warranty set forth herein constitutes the entire warranty and representation of Emerald with regard to its instruments. This Warranty shall be controlling over any conflicting terms and conditions of any purchase orders, contracts or invoices that may be executed in connection with the purchase of the Emerald musical instrument.
No representation or warranty made by any Emerald salesperson, representative or employee shall be binding upon Emerald other than as set forth herein.

## Claim Procedures

Claims for warranty performance and service shall be made by sending the instrument, shipping and insurance prepaid by the purchaser, to the Emerald factory accompanied by:

Evidence confirming the original purchase by purchaser (such as a copy of the sales invoice, receipt or the like).
A brief description of the nature of the asserted defect.
The name, address and phone number of the original purchaser to whom the instrument is to be returned
Emerald Guitars shall review the description of the asserted defect, examine the instrument, and make service, repairs and replacements as appropriate under this Warranty. Upon completion of the service, the instrument shall be returned by Emerald to the original purchaser, return shipping will be covered by Emerald.
In the event it is determined that the asserted defect is not covered by or is excluded from this Warranty, the instrument shall be returned without repairs or can be repaired for an agreed fee. Shipping to be paid by the purchaser.

## Warning

Although Emerald Guitars are incredibly strong and stable, neglect and improper use can cause considerable damage. It is advised that the same care be given to this instrument as any other fine guitar.

So that's the official warranty but if you have any problems please contact us and we will do everything in our power to rectify your situation by the best means possible.






Stay connected with everything happening at Emerald Guitars by visiting our website: **emeraldguitars.com**