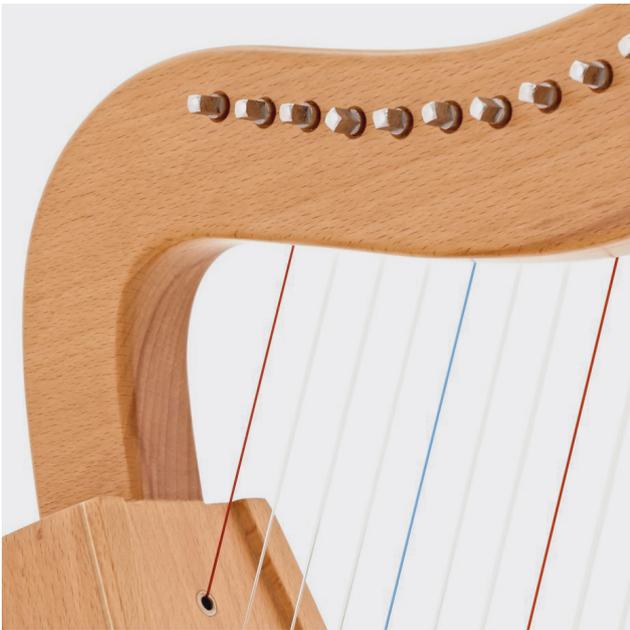




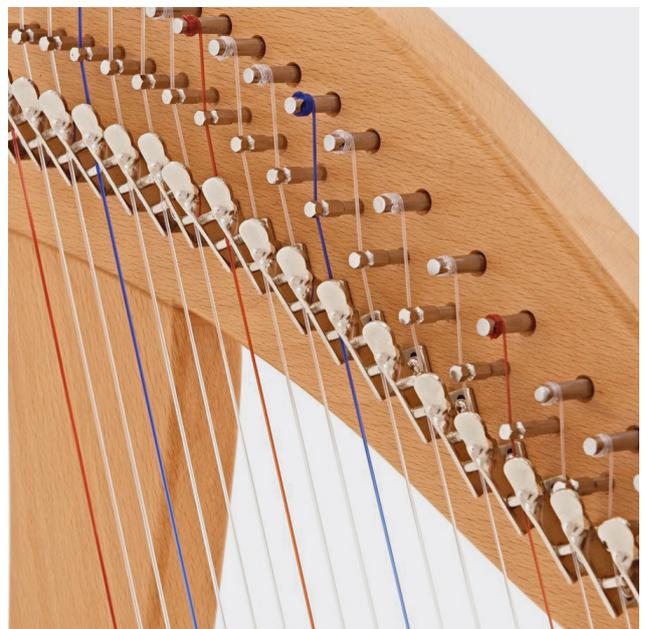
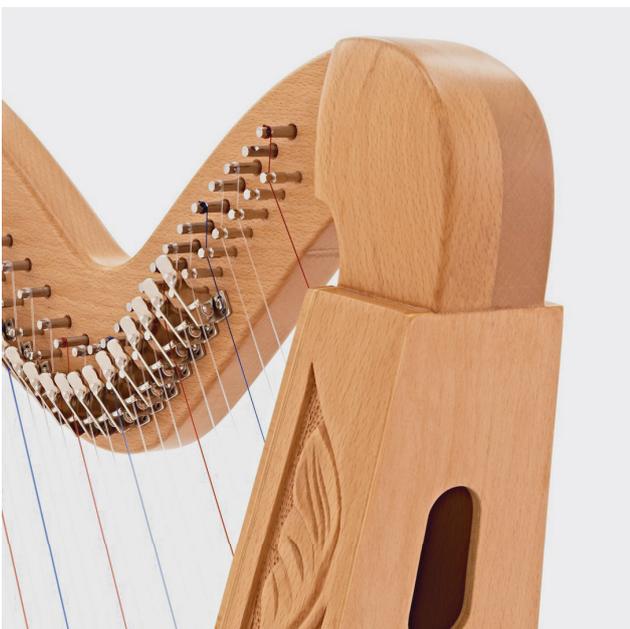
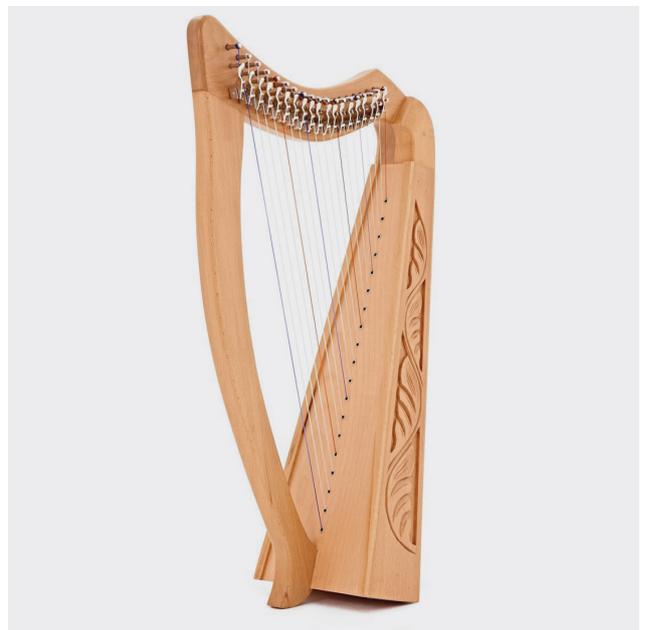
HARPS BY GEAR4MUSIC

HARP12/19/22/29/36 STRINGS

USER MANUAL



**HARPS BY
GEAR4MUSIC**



INTRODUCTION

Thank you for purchasing a Harp by Gear4music.
To get the most out of your product,
please read this manual carefully.

CONTENTS

- Harp
- Padded Gig Bag
- Tuning Key
- Set of Spare Strings
- User Manual

MAINTENANCE OF YOUR HARP

Gear4music harps include very carefully selected tonewoods to produce the best quality sound and to ensure optimal performance of the instrument over time. As wood is a living material, it is important to know that your instrument is subject to humidity and temperature variations. The recommended climate conditions are below:

Optimal temperature: $20^{\circ}\text{C} \pm 10^{\circ}\text{C}$ ($50^{\circ}\text{F} - 86^{\circ}\text{F}$)

Optimal Humidity: $50\% \pm 15\%$

The harp must be kept away from heat sources and never exposed to direct sunlight to avoid damage to the body and strings. It is always recommended to keep the instrument in its included padded bag when not in use.

Clean your instrument only using a dry cloth, and remove all fingerprints from the instrument after playing to protect the finish. Do not use solvents or other domestic cleaners to clean or polish the instrument.

INITIAL TUNING

Tuning can be made by tightening and loosening the pegs on the top of the harp (clockwise to tighten and anticlockwise to loosen) using the included tuning key.

Do note that all the tuning pegs are tapered, meaning that they are wider at the end with the tuning key socket and narrower at the other end. When shipped from Gear4music, the pegs are left loose inside the harp to prevent snapping the strings during transit and during any changes in humidity. When tuning the strings for the first time, make sure to push the pegs in to the body of the instrument while tuning. This will help to prevent the strings from slipping out of tune.

Note that nylon strings take a while to settle to their desired tuning. As a result, it may take some time after initial tuning for the strings tuning to become stable. Do not tune to correct tuning straight away, because this may snap the strings. To get the best results, tune the harp so that there is some tension in the strings. Leave for some hours to allow the instrument to settle. Over a series of repeated tunings, slowly raise the tension of the strings up to the recommended tuning. This step may need to be repeated over a course of days for the tuning to become stable.

TUNING LEVERS

The tuning levers are available to help the performer play in a variety of different keys, by raising the pitch of the string by one semitone. The fine tuning of these levers is adjustable. Loosening the lever slightly from the harp using the cross-head screw, you can adjust the lever up or down the body to increase or decrease the pitch raise created by the lever.

Note - the 12 string harp does not include tuning levers.

REPLACING THE STRINGS

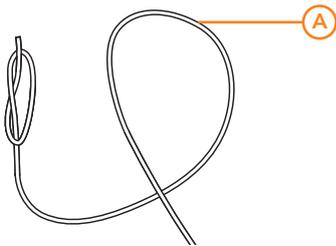
Replacing of strings should only be done using like-for-like strings. A set of replacement strings has been provided with your harp, and string sets are available from Gear4music. Should you wish to use different strings, please consult the string gauge guide (see page 6 - 9) for reference.

To replace the strings, follow the guide below. Please note, threading the strings should be done from the top of the harp, not through the soundboard.

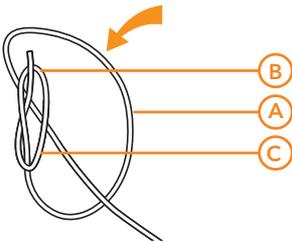
1. Make a simple knot in the string.



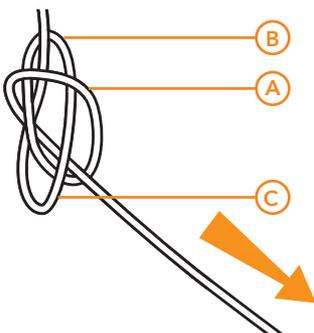
2. Make a loop as indicated in the figure.



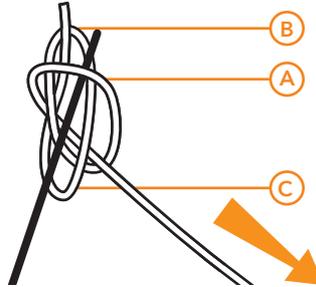
3. Overlap the loop on the knot in the direction indicated by the arrow holding on to points B and C of the knot.



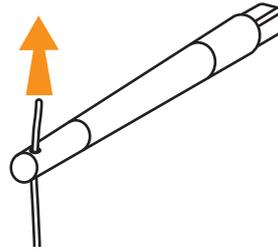
4. Tighten the loop on the knot in the direction indicated by the arrow holding points B and C of the knot still.



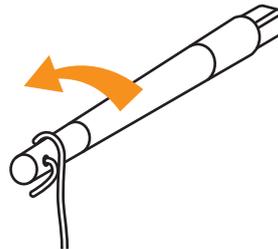
5. For lower strings, it is recommended to include a 2cm piece of higher octave string to the knot to give more protection. Add this piece of string and pull as indicated by the arrow, holding on to points B and C still.



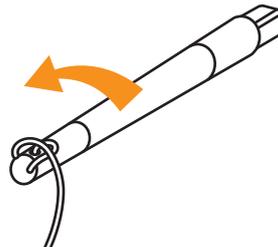
6. Thread the string into the hole of the tuning pin and pull in the direction indicated by the arrow.



7. Turn the pin clockwise, taking care to keep the string to the right of the hole.



8. For lower octave strings only, make a loop and fix under the string by tuning the pin clockwise.



STRING GAUGE GUIDE

12 STRING HARP

STRING	PITCH	COLOUR	MATERIAL	DIAMETER (INCHES)
1	C6	RED	NYLON	0.028
2	B5	CLEAR	NYLON	0.028
3	A5	CLEAR	NYLON	0.028
4	G5	CLEAR	NYLON	0.028
5	F5	BLUE	NYLON	0.032
6	E5	CLEAR	NYLON	0.032
7	D5	CLEAR	NYLON	0.032
8	C5	RED	NYLON	0.032
9	B4	CLEAR	NYLON	0.036
10	A4	CLEAR	NYLON	0.036
11	G4	CLEAR	NYLON	0.036
12	F4	BLUE	NYLON	0.036

19 STRING HARP

STRING	PITCH	COLOUR	MATERIAL	DIAMETER (INCHES)
1	C6	RED	NYLON	0.025
2	B5	CLEAR	NYLON	0.025
3	A5	CLEAR	NYLON	0.025
4	G5	CLEAR	NYLON	0.025
5	F5	BLUE	NYLON	0.028
6	E5	CLEAR	NYLON	0.028
7	D5	CLEAR	NYLON	0.028
8	C5	RED	NYLON	0.032
9	B4	CLEAR	NYLON	0.032
10	A4	CLEAR	NYLON	0.032
11	G4	CLEAR	NYLON	0.040
12	F4	BLUE	NYLON	0.040
13	E4	CLEAR	NYLON	0.040
14	D4	CLEAR	NYLON	0.040
15	C4	RED	NYLON	0.045
16	B3	CLEAR	NYLON	0.045
17	A3	CLEAR	NYLON	0.045
18	G3	CLEAR	NYLON	0.045
19	F3	BLUE	NYLON	0.045

22 STRING HARP

STRING	PITCH	COLOUR	MATERIAL	DIAMETER (INCHES)
1	C6	RED	NYLON	0.032
2	B5	CLEAR	NYLON	0.032
3	A5	CLEAR	NYLON	0.032
4	G5	CLEAR	NYLON	0.032
5	F5	BLUE	NYLON	0.032
6	E5	CLEAR	NYLON	0.036
7	D5	CLEAR	NYLON	0.036
8	C5	RED	NYLON	0.036
9	B4	CLEAR	NYLON	0.040
10	A4	CLEAR	NYLON	0.040
11	G4	CLEAR	NYLON	0.040
12	F4	BLUE	NYLON	0.045
13	E4	CLEAR	NYLON	0.045
14	D4	CLEAR	NYLON	0.045
15	C4	RED	NYLON	0.045
16	B3	CLEAR	NYLON	0.050
17	A3	CLEAR	NYLON	0.050
18	G3	CLEAR	NYLON	0.050
19	F3	BLUE	NYLON	0.050
20	E3	CLEAR	NYLON	0.055
21	D3	CLEAR	NYLON	0.055
22	C3	RED	NYLON	0.055

29 STRING HARP

STRING	PITCH	COLOUR	MATERIAL	DIAMETER (INCHES)
1	C7	RED	NYLON	0.025
2	B6	CLEAR	NYLON	0.025
3	A6	CLEAR	NYLON	0.025
4	G6	CLEAR	NYLON	0.028
5	F6	BLUE	NYLON	0.028
6	E6	CLEAR	NYLON	0.028
7	D6	CLEAR	NYLON	0.032
8	C6	RED	NYLON	0.032
9	B5	CLEAR	NYLON	0.032
10	A5	CLEAR	NYLON	0.032
11	G5	CLEAR	NYLON	0.036
12	F5	BLUE	NYLON	0.036
13	E5	CLEAR	NYLON	0.036
14	D5	CLEAR	NYLON	0.036
15	C5	RED	NYLON	0.036
16	B4	CLEAR	NYLON	0.040
17	A4	CLEAR	NYLON	0.040
18	G4	CLEAR	NYLON	0.040
19	F4	BLUE	NYLON	0.040
20	E4	CLEAR	NYLON	0.040
21	D4	CLEAR	NYLON	0.045
22	C4	RED	NYLON	0.045
23	B3	CLEAR	NYLON	0.045
24	A3	CLEAR	NYLON	0.045
25	G3	CLEAR	NYLON	0.045
26	F3	BLUE	NYLON	0.050
27	E3	CLEAR	NYLON	0.050
28	D3	CLEAR	NYLON	0.050
29	C3	RED	NYLON	0.050

36 STRING HARP

STRING	PITCH	COLOUR	MATERIAL	DIAMETER (INCHES)
1	C7	RED	NYLON	0.025
2	B6	CLEAR	NYLON	0.025
3	A6	CLEAR	NYLON	0.025
4	G6	CLEAR	NYLON	0.028
5	F6	BLUE	NYLON	0.028
6	E6	CLEAR	NYLON	0.028
7	D6	CLEAR	NYLON	0.032
8	C6	RED	NYLON	0.032
9	B5	CLEAR	NYLON	0.032
10	A5	CLEAR	NYLON	0.032
11	G5	CLEAR	NYLON	0.036
12	F5	BLUE	NYLON	0.036
13	E5	CLEAR	NYLON	0.036
14	D5	CLEAR	NYLON	0.036
15	C5	RED	NYLON	0.036
16	B4	CLEAR	NYLON	0.040
17	A4	CLEAR	NYLON	0.040
18	G4	CLEAR	NYLON	0.040
19	F4	BLUE	NYLON	0.040
20	E4	CLEAR	NYLON	0.040
21	D4	CLEAR	NYLON	0.045
22	C4	RED	NYLON	0.045
23	B3	CLEAR	NYLON	0.045
24	A3	CLEAR	NYLON	0.045
25	G3	CLEAR	NYLON	0.050
26	F3	BLUE	NYLON	0.050
27	E3	CLEAR	NYLON	0.050
28	D3	CLEAR	NYLON	0.050
29	C3	RED	NYLON	0.055
30	B2	CLEAR	NYLON	0.055
31	A2	CLEAR	NYLON	0.055
32	G2	CLEAR	WOUND	0.050/0.025
33	F2	BLUE	WOUND	0.050/0.025
34	E2	CLEAR	WOUND	0.050/0.025
35	D2	CLEAR	WOUND	0.055/0.025
36	C2	RED	WOUND	0.055/0.025

KETTLESTRING LANE | YORK | YO30 4XF | UNITED KINGDOM
METALLVÄGEN 45A | 195 72 ROSERSBERG | STOCKHOLM | SVERIGE
LAHNSTRASSE 27 | 45478 MÜLHEIM AN DER RUHR | DEUTSCHLAND

If you have any more questions about this product, please do not hesitate to contact the Gear4music Customer Service Team on: **+44 (0) 330 365 4444** or **info@gear4music.com**