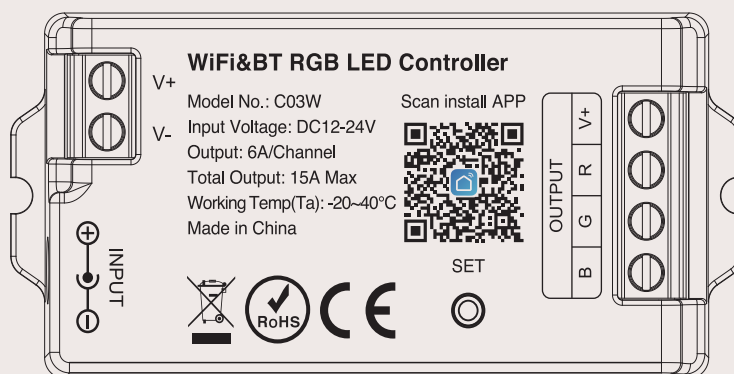


INSTALLATION, USE AND CARE INSTRUCTIONS

RGB Controller With Remote For Pergola Plus

WIFI & BLUETOOTH RGB CONTROLLER C03W2.4 GHZ 4-ZONE REMOTE RC03RF



Please read these instructions fully before installation and use, and keep them for future reference.

If you have any questions or require additional support, please contact the team at customerservices@harbourlifestyle.co.uk. Alternatively you can contact us via telephone on 0330 808 1744 (Monday to Friday, 10am - 4pm).

WWW.HARBOURLIFESTYLE.CO.UK

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Welcome

Thank you for choosing Harbour Lifestyle. This controller lets you change the colour and brightness of the LED lighting on your PergoSTET Plus pergola from the handheld remote or from your smartphone, and set the lights to switch off automatically with the built-in timer.

This manual covers safe use, connection, setting up the app, pairing the remote, day-to-day use and care.

Product at a glance

SPECIFICATION	DETAIL
Product / SKU	RGB Controller With Remote For Pergola Plus / HL-PER-RGB
Compatibility	PergoSTET Plus pergolas only. Not compatible with other pergola models or lighting systems.
Controller	C03W WiFi & Bluetooth RGB LED controller
Remote control	RC03RFB 2.4 GHz 4-zone RGB remote
Input voltage	DC 12 - 24 V (output voltage = input voltage)
App	Smart Life or Tuya Smart (iOS and Android)
Control range	Remote up to 30 m; Bluetooth up to 20 m; WiFi anywhere via the app

03 Safety and proper use

Read and understand every warning before installing or using the controller. Keep this manual and pass it on to any new owner.

INTENDED USE

This controller is designed only for the RGB LED lighting on Harbour Lifestyle PergoSTET Plus pergolas. Do not use it with any other pergola, lighting system or electrical load.

WARNING

Electrical safety

- The controller runs on low voltage DC (12 - 24 V) only. Never connect it directly to the mains.
- Switch off and unplug the power supply before connecting, disconnecting or inspecting any wiring.
- Do not open or dismantle the controller or remote. There are no user-serviceable parts inside.

WARNING

Fire and overheating

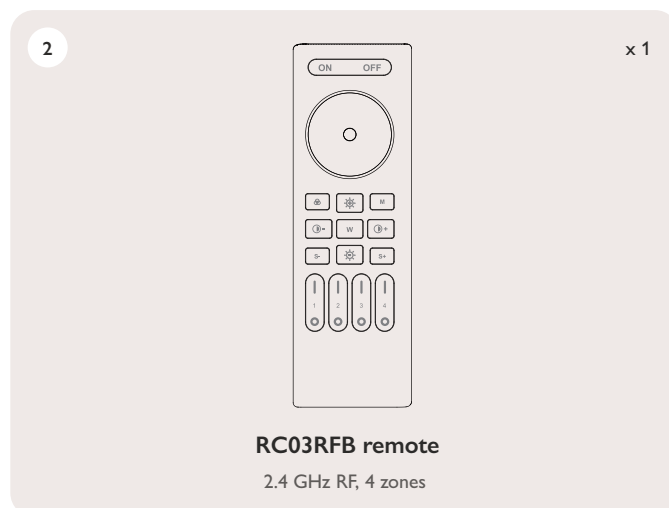
- Use a power supply with the same voltage as your LED lighting (12 V or 24 V). Voltages above 24 V will destroy the controller.
- Do not exceed 6 A per colour channel or 15 A in total. Use cable of at least 1.5 mm² for loads up to 15 A.
- For loads over 10 A, keep the cable from the controller to the LED strip shorter than 40 cm.
- Fit the controller where air can circulate. Do not cover it or install it in direct sunlight or near heat sources.

CAUTION

Moisture and batteries

- Keep the controller, plugs and power supply dry. Do not install them where they will be exposed to rain, standing water or high humidity.
- Keep the remote and its battery away from children. Remove the battery if the remote will not be used for a long time.

Check that you have both parts before you start. If anything is missing or damaged, contact customerservices@harbourlifestyle.co.uk.



To use the app you will also need a smartphone and a 2.4 GHz WiFi network.

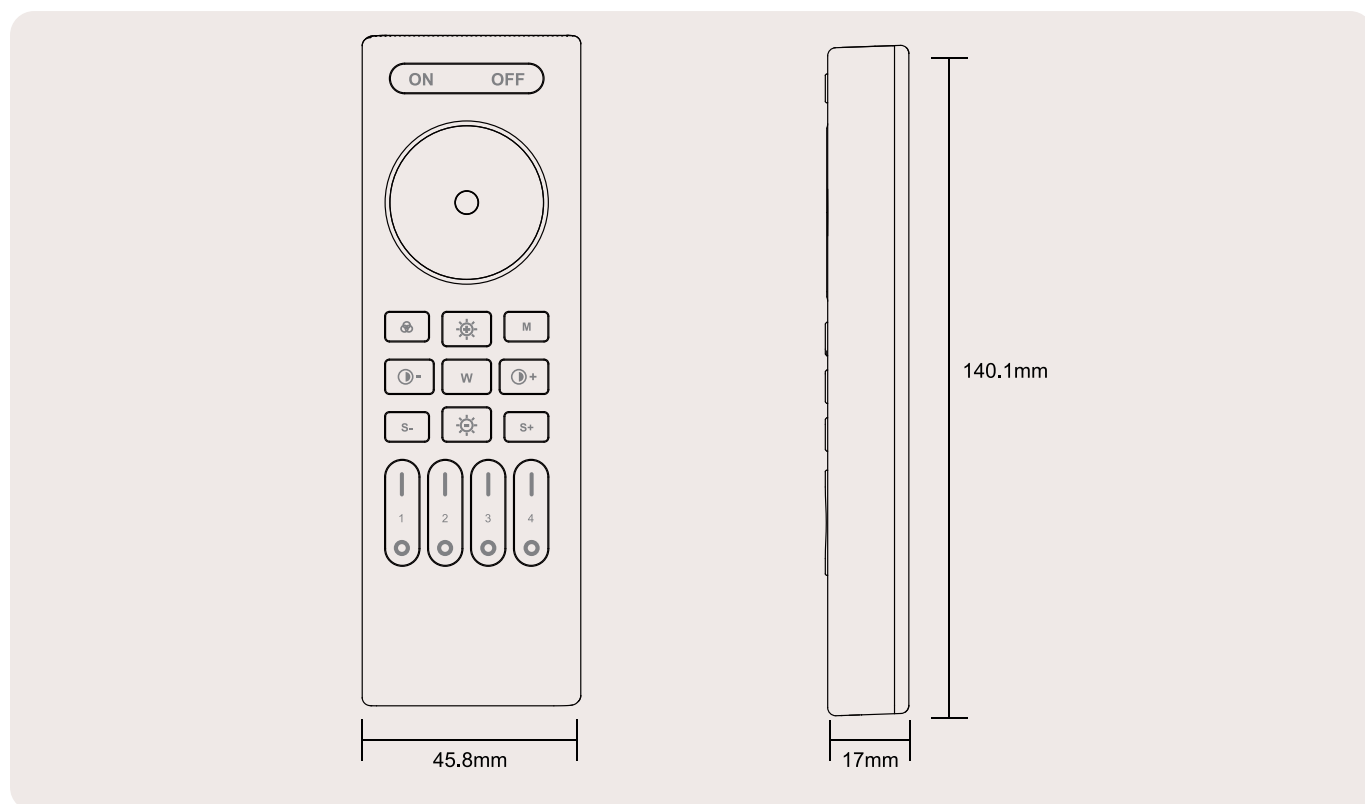
CONTROLLER	C 03 W
Input	DC 12 - 24 V, 5.5 x 2.1 mm
Output	6 A per channel, 15 A max
Channels	R, G, B (common V+)
Wireless	WiFi, Bluetooth, 2.4 GHz RF
Working temperature	-20 to 40 °C
Size	74.5 x 35.6 x 16.5 mm

REMOTE	RC03RFB
Frequency	2.4 GHz RF (GFSK)
Zones	4
Range	Up to 30 m
Remotes per controller	Up to 5
Size	140.1 x 45.8 x 17 mm

Features

- Additional colours
- Brightness and colour saturation adjustment
- Dynamic colour modes with adjustable speed
- Music mode: lights change with the beat (in the app)
- Timers, countdowns and automations (in the app)
- Control by app over WiFi, from anywhere
- Bluetooth control nearby, even without WiFi
- Controllers relay the remote signal and synchronise modes

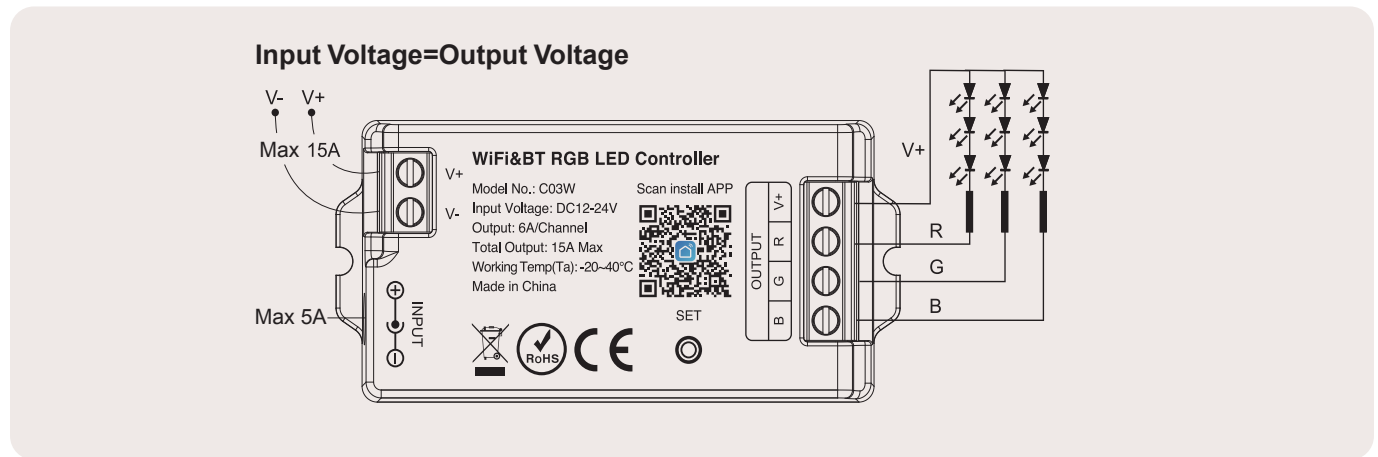
Remote control size



05 Installation

Fit the controller close to the pergola lighting connection, somewhere dry, shaded and well ventilated, and within reach of the power supply.

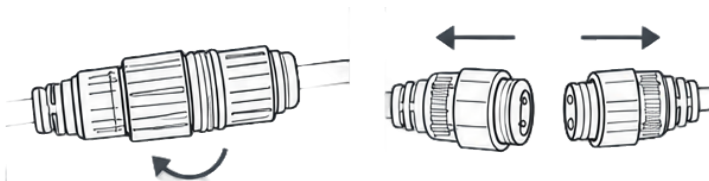
CONNECTION DIAGRAM



The controller output voltage is the same as its input voltage. V+ on the output is the common positive; R, G and B are the colour channels. Match each wire to the same marking on the LED strip.

INSTALLATION STEPS

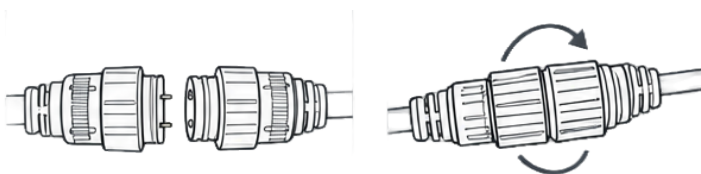
1. Make sure the power supply is unplugged or switched off.
2. Take note of how the current RGB controller is connected, taking a photo is also recommended. Remove the existing RGB controller.



2a. Hold the two parts and twist the outer collar anti-clockwise until it feels loose.

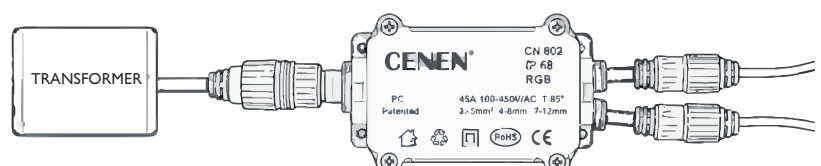
2b. Gently pull the two halves apart. Repeat for all three wires.

3. Connect the new RGB in to transformer, connecting the large connector to the transformer and the small connectors to the LED lights.



3a. Make sure the pins and sockets are aligned.

3b. Push the two halves together and twist the outer collar clockwise until fully tightened.



06 Setting up the app and remote

1. DOWNLOAD THE APP

Search for Smart Life (or Tuya Smart) in the Apple App Store or Google Play, or scan a QR code. Tap Register to create an account the first time you use it, or log in if you already have one.



2. CONNECT THE CONTROLLER

1. Make sure your phone is connected to your 2.4 GHz WiFi network.
2. Put the controller into pairing mode: press and hold the SET button, or switch the power on and off 4 times (on-off-on-off-on-off-on). The white light blinks when it is ready.
3. Open the app. It should find the controller automatically. If not, tap + in the top right and choose Add device. Follow the steps on screen.
4. Once added, the controller appears on the app home page. Tap it to open the controls.

NOTE

Pair within 3 minutes

- Pairing mode ends after 3 minutes. If you miss it, put the controller back into pairing mode and try again. The same steps also reset the controller.

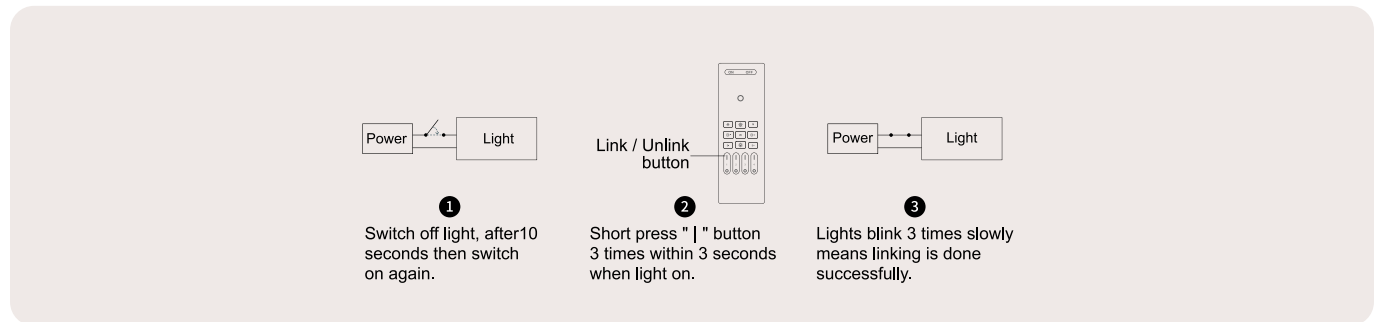
3. BLUETOOTH CONTROL WITHOUT WIFI

If your WiFi is down you can still control the lights nearby (within about 20 m) by Bluetooth. First complete the app set-up above. Then turn off WiFi and mobile data on your phone, turn on Bluetooth, and wait a few minutes for the app to connect. Grouping, schedules and voice control are not available in Bluetooth-only mode.

Pairing the remote

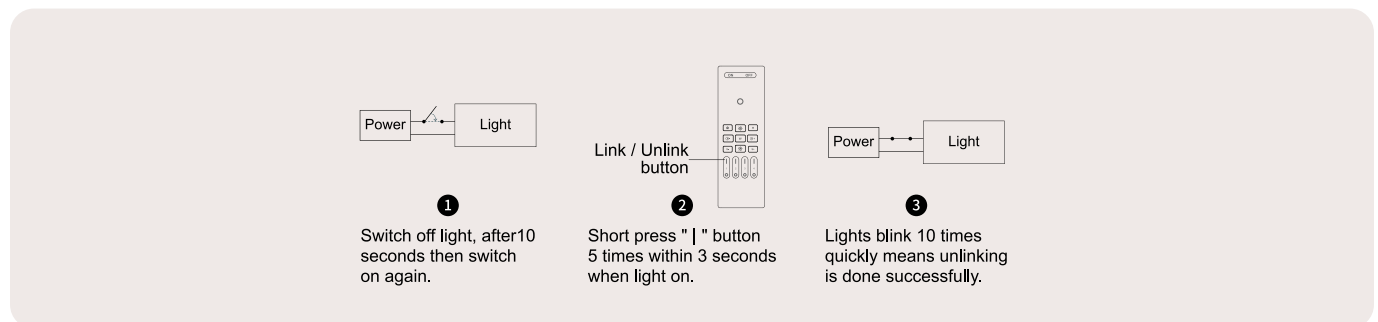
Each of the four zone buttons on the remote can control its own group of lights. Pair the controller to the zone you want to use it with. One remote can control any number of controllers; each controller can be paired with up to 5 remotes.

LINK (PAIR) THE REMOTE



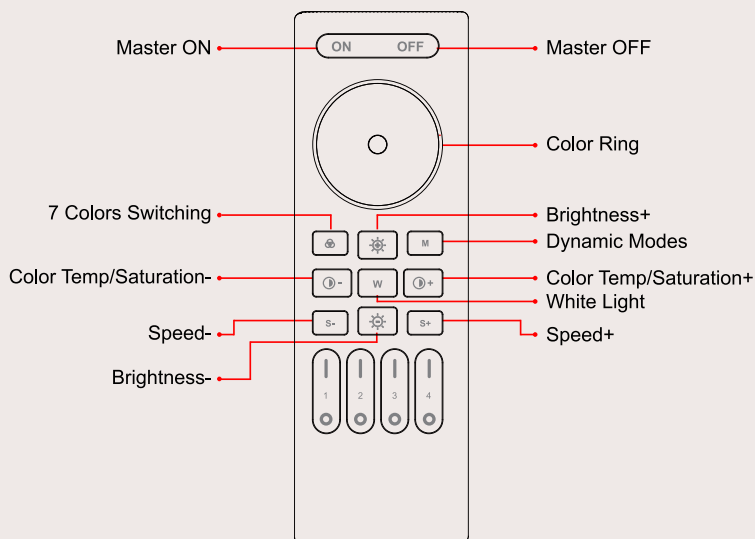
1. Switch off the lights, wait 10 seconds, then switch them on again.
2. Within 3 seconds, short press the zone ON button (|) 3 times.
3. The lights blink 3 times slowly to confirm the remote is linked. If they do not, repeat the steps.

UNLINK THE REMOTE



1. Switch off the lights, wait 10 seconds, then switch them on again.
2. Within 3 seconds, short press the zone ON button (|) 5 times.
3. The lights blink 10 times quickly to confirm the remote is unlinked. If they do not, repeat the steps.

07 How to operate



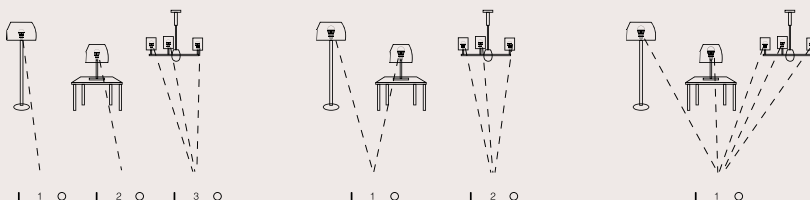
BUTTON	WHAT IT DOES
ON / OFF	Turn all linked lights on or off.
Colour ring	Touch the ring to choose a colour.
7 colours	Short press to step through orange, yellow, green, cyan, blue, purple and red. Long press to fade through them.
W (white light)	Switch to white light.
Colour temp / saturation - and +	In white mode: change to cooler (-) or warmer (+) white. In colour mode: reduce (-) or increase (+) the colour saturation.
M (dynamic modes)	Step through the dynamic colour modes.
Brightness + / -	Make the lights brighter or dimmer.
S+ / S-	Speed up or slow down the dynamic mode.

Using the app

- Turn lights on and off, choose colours or white, and adjust brightness from anywhere with an internet connection.
- Use Music mode to make the lights react to sound picked up by your phone.
- Set schedules, countdowns and Tap-to-Run scenes and automations.
- Share control with family members and group several controllers together.

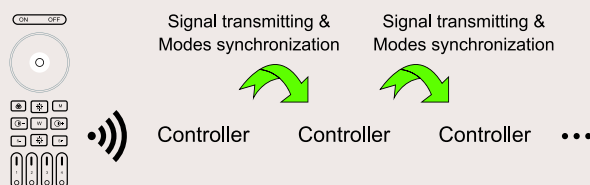
Zones and groups

You can add any number of lights to each of the four zones, so you can switch the pergola lighting on its own, together with other compatible lighting on the same remote, or all at once.



Signal relay and mode synchronisation

Controllers pass the remote signal on to any other controller within 30 m, so the range can be extended. Controllers on the same remote also stay in sync: they run the same dynamic mode at the same speed, even if they were switched on at different times.



08 Care and maintenance

TASK	HOW OFTEN	WHAT TO DO
Clean	As needed	Wipe the controller and remote with a dry, soft cloth. Do not use water, solvents or sprays.
Remote battery	When the indicator blinks quickly	Replace the battery with a good-quality one of the same type to avoid leaks.
Storing the remote	When not in use	Keep the remote indoors in a dry place, away from heat and dust.

09 Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Lights do not come on	No power, wrong voltage, or loose wiring	Check the power supply is on and matches the LED voltage. Check polarity and terminal connections.
Wrong colours	R, G or B wires swapped	Switch off and swap the wires so each matches the strip marking.
App cannot find the controller	Not in pairing mode, 5 GHz WiFi, or more than 3 minutes passed	Use 2.4 GHz WiFi, put the controller in pairing mode again and complete the steps within 3 minutes.
Remote does not work	Not linked, flat battery, or out of range	Link the remote again, replace the battery, and move closer. Avoid metal surfaces near the controller.
Remote indicator blinks quickly	Low battery	Replace the battery.
Short range	Metal or electrical interference	Move the controller away from metal and other wireless equipment.

Still having problems? Contact our customer services team on 0330 808 1744 or at customerservices@harbourlifestyle.co.uk. Please have your order number and the batch number from page 12 ready.

IO Disposal and recycling

PACKAGING

- Cardboard: flatten and recycle with household recycling.
- Plastic film and bags: recycle at carrier-bag points where accepted.

BATTERIES

- Do not put used batteries in household waste. Take them to a battery recycling point; most supermarkets have one.

ELECTRICAL EQUIPMENT (WEEE)



The controller and remote are marked with the crossed-out wheeled bin symbol. Do not put them in household waste. Take them to a household waste recycling centre for electrical recycling, or contact us about take-back when you buy a replacement.

II Compliance information

ITEM	DETAIL
Product	RGB Controller With Remote For Pergola Plus
SKU	HL-PER-RGB
Models	Controller C03W; remote RC03RF / RC03RFB
Batch number	_____ (see label on the packaging)
UK importer and responsible person	Harbour Outdoor Living Limited, trading as Harbour Lifestyle, Hope Hall Stud, The Foaling Yard, Dullingham, CB8 9UW, United Kingdom. Company no. 12934430. customerservices@harbourlifestyle.co.uk, 0330 808 1744
Markings	CE, UKCA and RoHS marked. Supplied under the Radio Equipment Regulations 2017 and the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (GB). Made in China.
Radio	WiFi 2.4 GHz, Bluetooth and 2.4 GHz RF. [Declaration of conformity reference]
EU sales (GPSR)	For sale into the EU, Regulation (EU) 2023/988 applies: an EU-based responsible person must be named here [name and address], and these instructions and safety information must be supplied in the official language of the country of sale.

FOR YOUR RECORDS