

**INSTRUCTIONS FOR
MANUAL OPERATION OF
COLLARO HIGH FIDELITY
RECORD CHANGER MODEL RC. 456**
(See Reverse side for Automatic Operation)

**READ THIS CARD REGULARLY (UNTIL YOU ARE FAMILIAR WITH
ITS CONTENTS) AND KEEP IT FOR FUTURE REFERENCE**

1. SET AUTO/MANUAL CONTROL LEVER TO "MANUAL" POSITION. This should be done with the machine at rest.
2. PLACE RECORD ON TURNTABLE. To do this the record must be fed past the stepped portion of the record spindle. This operation can be most easily performed by lowering the record gently over the upper part of the spindle until in contact with the step, and then tilting the left hand side of the record slightly downwards at the same time pushing the edge of the record gently towards the centre.
3. SELECT APPROPRIATE PICKUP STYLUS and TURNTABLE SPEED.
4. START MOTOR by operating "START" control in normal way.
5. LIFT PICKUP FROM REST AND ENGAGE STYLUS GENTLY WITH RECORD.
6. ON COMPLETION OF PLAYING THE MOTOR MAY BE SWITCHED OFF BY OPERATING "STOP" CONTROL IN NORMAL WAY.
7. AFTER MANUAL OPERATION, ALWAYS RETURN MANUAL CONTROL LEVER TO "AUTOMATIC" POSITION

This is to protect the accurately ground rim of the rubber wheel which drives the Turntable, by retracting it out of contact with the motor pulley and turntable



rim. This retraction takes place automatically when operating the automatic mechanism, but necessarily becomes the responsibility of the user when manual operation is employed.

IMPORTANT NOTES REGARDING MANUAL OPERATION OF COLLARO RC. 456

This record changer has been provided with a Manual Control Lever, so that the user will be able to play selected passages from any record without difficulty. When set to the "Manual" position, the automatic mechanism becomes completely inoperative, and the Main Control then functions solely as a "START" and "STOP" Control for the turntable. The Pickup may then be placed by hand on any part of a record without tripping the automatic mechanism into action.

It is intended that the Manual Control Lever should be operated only when the machine is at rest after having switched off automatically. Provided this condition is fulfilled the START/STOP Control will function solely as an ON-OFF switch to start and stop the motor.

If, by mischance, the Manual Control Lever is set to the Manual position under any other conditions (e.g. if operated during the automatic playing of a record) it will be found that operation of the "STOP" control will neither switch off the motor nor start the automatic mechanism.

This condition can be immediately rectified by returning the Manual Control Lever to the "Automatic" position and again operating the "STOP" control.

COLLARO LIMITED
RIPPLE WORKS, BY-PASS ROAD
BARKING ESSEX
Telephone No. RIPpleway 5533

P.T. 4493

**INSTRUCTIONS FOR
AUTOMATIC OPERATION OF
COLLARO HIGH FIDELITY
RECORD CHANGER MODEL RC. 455**

(See Reverse side for Manual Operation)

CAPACITY Ten 7", 10", or 12" records of the same playing speed and with the same type of groove.

1. LOADING Lift Record Balancing Arm Clear of Record Spindle by the Hook, and swing out over Pick-up Arm. Place records on Record Spindle and lower to offset step. Holding records level replace Record Balancing Arm over top of Record Spindle.

NOTE When using 1½" Centre Spindle follow instructions on carton. After loading, allow Record Balancing Arm to swing inwards against edge of record stack.

2. SET CONTROLS (i) Release Pick-up Transit Clamp.
(ii) Set Turntable Speed Control and Stylus Control to appropriate positions.
(iii) Set Auto/Manual Control to Auto Position

NOTE Normal 78 r.p.m. records with **COARSE GROOVE**—Set Stylus Control to N. Long-play, Medium-play, or Extended-play records. 45 or 33½ r.p.m. with **FINE GROOVE**—Set Stylus Control to L

3. STARTING Turn Main Control firmly to left and release when turntable commences to rotate.

NOTE Pick-up arm is returned to its rest and motor switched off automatically after last Record

4. UNLOADING Lift Record Balancing Arm clear of Record Spindle and swing out over Pick-up Arm. Using both hands, with fingers under edge of bottom record, lift records straight up off Spindle.



5. REJECTING Any record may be rejected while playing by turning the Main Control gently to the left. The next record will then be played

6. STOPPING The machine may be stopped at any time by turning the Main Control fully to the right and then releasing.

DO NOT GRIP RECORDS TOGETHER WITH THUMBS WHILE LIFTING

4 POINTS TO NOTE CAREFULLY

1. BEFORE OPERATING THE CHANGER, REMOVE THE TWO TRANSIT SCREWS TO LEAVE UNIT FLOATING FREELY ON ITS MOUNTING SPRINGS

2. DON'T leave Records on upper part of spindle when changer is not in use.

3. DON'T try to play warped, damaged or badly worn Records

4. TAKE GREAT CARE TO ENSURE THAT ALL RECORDS IN ANY ONE LOADING ARE OF THE SAME SPEED AND HAVE THE SAME TYPE OF GROOVE. BE SURE TO USE THE CORRECT STYLUS

