

directions for use



TAPE RECORDER TYPE AG 8008

built into a radiogram combination

Apart from this manual, also consult the separate Directions for Use of the radio and the gramophone.

This recorder is designed according to the same principles as the recorders in broadcasting and gramophone record studios. Consequently, it satisfies the highest requirements as regards sound quality and dependability.

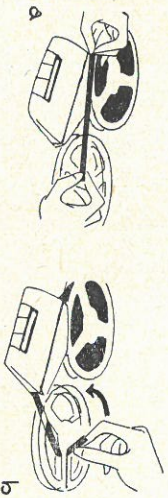
Twin-track

This is a twin-track recorder, i.e. for non-steriophonic recording ("mono-recording") the sound is recorded on one half of the tape width. When the whole length of the tape has thus been used, the reels are interchanged, making the other half of the tape available. In this way the total running time of your tapes is doubled. For stereophonic tapes, however, both halves are used *simultaneously* (for the right-hand and left-hand channels).

Suitable for reels with a diameter up to 7 inches (18 cm) — Rapid winding in both directions: 1200 ft of tape in 2 min. — Valves: 2 x EF 86, 2 x ECC 83, 2 x ECC 81, ECL 82, EM 81 — The accessories to the recorder are: a reel with tape, an empty reel and a microphone.

RECORDING

1. Make sure that the "STOP" button (O) is depressed.
2. Switch on the receiver.
3. Adjust the desired tape speed by depressing one of the three speed buttons (R). This switches on the recorder at the same time. For normal use: button "3 $\frac{3}{4}$ /9.5" (i.e. 3 $\frac{3}{4}$ inch/sec.). See also "Three speeds".
4. Threading the tape.



Make sure that the reels (A and D) lie perfectly flat on the turntables.

- a. Unwind about 1 ft. (30 cm) of tape and drop it in the slit between the two halves of the cover.
- b. Pass the beginning of the tape through the slit of the empty reel and wind the tape a few turns around the hub by turning the reel. The dull side of the tape should be turned away from you.

5. The counting mechanism (B) follows every forward or backward movement of the tape. If after threading the tape you set the counter to "000" by means of the knurled disc (C), you can always locate later a given passage on the tape with the aid of the reading on the counter, of which a note can be made, if desired.

6. Place the relevant switch on the panel of the stereo-unit (see Directions for Use of the radio) to position MONO and select what you wish to record.

- a. MICROPHONE — Connect to contact (E) of the recorder. Place the microphone at some distance from the recorder and at about 1 foot (30 cm) from the speaker. For recording live music, the best position of the microphone with respect to the instrument(s) has to be found experimentally.

- b. RADIO PROGRAMME — It is sufficient to tune in the receiver to the desired station.

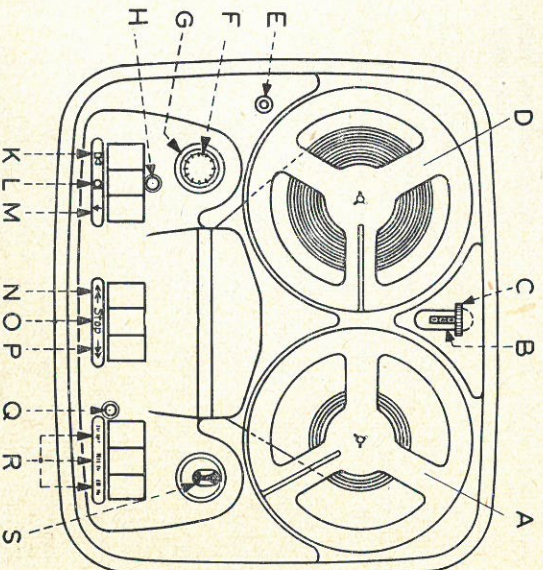
- c. GRAMOPHONE MUSIC — The pick-up pushed-button of the radio set must be depressed. See further the Directions for Use of the record changer.

- d. COMBINED RECORDING — You can record your own voice (via the microphone) together with either radio or gramophone

Three speeds — Below you will find for each speed the playback time (for reels with 1200 ft of tape) and the audio-frequency range.

Tape speed in inches per sec.	1 $\frac{7}{8}$	3 $\frac{3}{4}$	7 $\frac{1}{2}$
Total playing time, Mono, both tracks together	4 hours	2 hours	1 hour
Stereo	—	—	1 $\frac{1}{2}$ hour
For	speech and music	quality reproduction	reproduction of recordings made elsewhere
Audio-frequency range in cps	50-6,000	50-12,000	50-18,000

For long-playing tape (1800 ft per reel) the playback time is one and a half times as long.



part of knob (G) on the recorder.

- b. RADIO AND GRAMOPHONE — Adjust with the inner part of knob (F) on the recorder.

In the magic eye (S) you will see two luminous sectors moving to the rhythm of the sound. The volume should be so adjusted that in the loudest passages the sectors almost touch.

Important

The non-used part of the combined control (F/G) must always be turned fully anti-clockwise.
If an annoying whistle occurs, when recording radio programmes, this can be eliminated by pressing in or pulling out the knob (F).

8. Start. Depress the small button (H) as well as the recording button "C" (L). (The small button acts as a locking device which prevents the recording button being depressed accidentally and thus obviates damage to important recordings.)
Check the volume at intervals also during the recording.

9. For short interruptions in the recording, depress the button "↓" (M).
10. To stop the recording depress the "STOP" button.

11. Rewinding is effected by means of the button "←" (N). If required, the tape can be wound in the other direction with the aid of the button "→" (P). To stop the recording depress the "STOP" button.
12. Switching off. After use switch off the re-