

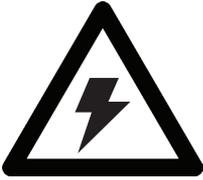


Instruction Manual

(HA-802)

Classroom 2-Station, 1 Watt Cassette Player and Recorder

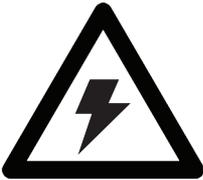




CAUTION
RISK OF ELECTRICAL SHOCK
DO NOT OPEN



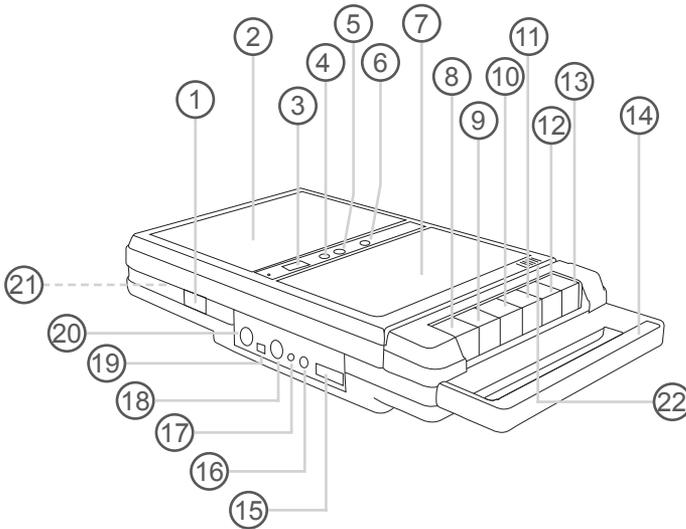
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle. Is intended to alert the user of the presence of uninsulated “dangerous voltage” within the product’s enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to people.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



- | | |
|-----------------------------|-----------------------------|
| 1. Attached AC Cord | 12. Stop/Eject Key |
| 2. Speaker (SP Recording) | 13. Pause Key |
| 3. USB Port | 14. Sideway Handle |
| 4. Down Key (for USB) | 15. Volume Control |
| 5. Up Key (for USB) | 16. Microphone Input |
| 6. Play/Pause Key (for USB) | 17. Remote Control |
| 7. Cassette Deck | 18. 1/4" Ear Jack HP/EXT.SP |
| 8. Record Key | 19. MP3 - Tape Switch |
| 9. Play Key | 20. 1/4" Headphone Jack |
| 10. Rewind Key | 21. Battery Compartment |
| 11. Fast-Forward Key | 22. Built-in Microphone |

Warning:

Disconnect the recorder by unplugging the plug at the wall socket when not in use.

Operation on Batteries

The recorder operates from 4 x 1.5V DC batteries. If the machine is to be used mostly from batteries supply. Manganese alkaline batteries will usually provide longer battery life.

Slide off the lid of the battery compartment and insert the four batteries over the ribbon, observing polarity marks inside the compartment.

INCORRECT FITTING MAY DAMAGE THE CIRCUIT

Remove weak or exhausted batteries immediately

If the recorder will not be used for long periods of time, remove the batteries and store them in a cool, dry place.

Proper care of your recorder and cassettes

- Keep the recorder in clean condition as described under Maintenance.
- Do not expose the machine to damp conditions or to extreme high temperatures, such as may be reached inside a car on a sunny day.
- Keep the machine and cassettes away from strong magnetic fields, such as close to large transformers, electric motors, television receiver and loudspeakers.
- Always wind your cassettes to one end after use.
- Do not make excessive use of the wind and rewind keys in searching for a particular item on a cassette. This may cause "sleeping" or ridges in the layers of the tape and so cause jamming or triggering of the audio stop.
- Do not touch the heads with any metallic or sharp pointed objects.

Loading and removing cassettes

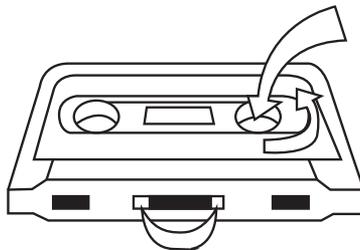
Depress the Stop/Eject Key fully to open the cassette compartment lid. Before inserting a cassette, check the tape tension and make sure that any slack is taken up. This can be done by inserting a pencil into one of the hub-holes and turning to take up the slack. This simple operation will prevent tape-spill and loop-throwing, both of which can physically damage the tape and spoil recordings.

Insert the cassette into the guide on the cassette compartment lid with the exposed tape in the face of the cassette facing the front of the machine. Ensure the cassette is located firmly within the guides on the cassette compartment lid. Close the lid. The cassette is now ready for use.

To remove cassettes, fully depress the Stop/Eject Key. Do not attempt to remove cassettes without first disengaging any function by using the Stop Key.

Do not attempt to load cassettes when the mechanism is engaged.

A green surge protector is located on the bottom of the power compartment via the space provided in the back of the shelf.



Remote Control (optional extra)

Connect an optional remote control switch to the Remote Control Jack of this unit. Recording or playback can now start or stop (provided the appropriate buttons are in depressed position) by means of the On/Off switch on the remote control.

Private Listening

A. Headphone and Listening Center

Insert a headphone (not supplied) into 1/4" Headphone Jack HP/EXT.SP. This will automatically disconnect the built-in speaker as well. Note that only monaural sound can be heard.

B.

When headphone is connected to the 1/4" Headphone Jack HEADPHONE but not the HP/EXT.SP jack during tape playback, sound will come out of the internal loudspeaker, as well as through the headphone. (During recording the HEADPHONE jack may be used to monitor through headphones as recording is being made.)

Playback

Cassettes may be played back through the internal speaker, through an earphone or small extension speaker (8 ohms impedance) using the earphone socket. The same socket may also be used to connect the recorder to other audio equipment for the playback of cassettes.

Recording Using the Built-In Microphone

Insert a cassette and press the Record Key and the Play Key simultaneously. The recording indicator LED will show that the machine is in the record mode. This indicator will glow brightly when the machine is operating, or when the batteries are in good condition. When batteries are weak, this indicator will glow dimly, indicating that batteries need replacement.

Position the microphone about 12ins/30cm from the sound source. The recorder features an Automatic Level Control (ALC) to maintain all recordings at an optimum level. The volume control operated only during replay and therefore does not need adjustment.

Because the microphone built into your machine is in close proximity to mechanical moving parts, it may pick up noise from these if the recorder is operated at greater distance than 12ins/30cm from the sound source.

Recording Using an External Microphone

Connect a low-impedance microphone to the Microphone Socket (3.5mm jack). For microphones featuring a remote stop-start switch, connect to the Remote Socket (2.5mm jack). Operate the recorder as above.

For maximum signal to noise performance position, place the external microphone as close to the audio source as possible. Insertion of a jack plug into the microphone socket automatically disconnects the built-in microphone.

Auto-Stop

The Recorder incorporates a mechanical auto-stop which automatically disengages the playback or record functions at the end of a cassette.

This does not operate in either the fast-forward or rewind modes.

If a cassette triggers the auto-stop before reaching the end of the tape, the tape may have become too tightly wound or has wound ridges, causing too much friction. This can normally be corrected by rapping the cassette face down on a flat surface and then winding the tape through, from end to end, in your machine.

Fast-Forward and Rewind

The Fast-Forward key and the Rewind key allow rapid location of a particular section of tape. Function of either key is canceled by using the Stop key.

Always use the Stop key to halt the tape. Attempting to go from winding to play is likely to damage the tape, and may cause damage to the mechanism. Do not leave the machine winding tape in either direction, since the Auto-Stop will not operate when the tape reaches the end; the mechanism may be damaged if left in this way for any length of time.

Always use the Stop key once the cassette has wound through to one end.

Protecting Recordings

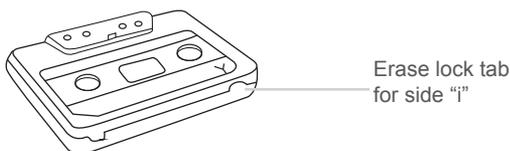
Normally, anything recorded on the tape is automatically erased when a new recording is made.

You can protect your recordings from accidental erasure by removing the erase lock tabs on the rear of the cassette. When the cassette is held with the recorded side up, the protective tab can be found on the left side of the rear edge of the cassette.

All pre-recorded cassettes are protected in this way to prevent accidental erasure of the commercial recording.

“Protected” cassettes may be re-recorded by simply fixing a piece of adhesive tape over the hole where the tap has been removed. This takes the place of the tab and your machine can then be engaged in the record-mode.

A “Protected” cassette will prevent the Record key from being pressed. If at any time you attempt to record and this key will not engage, do not force the mechanism or damage will result. Check that a cassette has been loaded and that the erase-lock tab has not been removed.



Maintenance

Your recorder requires no routine maintenance and under no circumstances should you attempt to lubricate any parts of the machine.

However, parts of the machine, coming into direct contact with the tape, do require periodic cleaning to ensure continuing good performance.

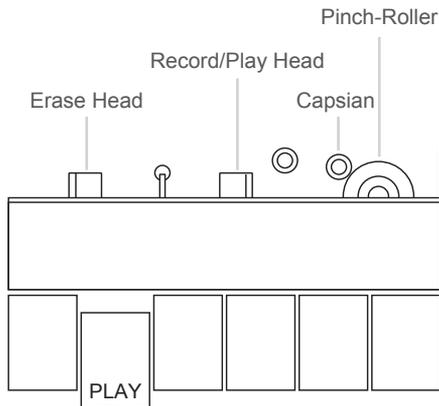
The tape heads (erase and record/play) may be cleaned using a cotton ball moistened with a drop of isopropyl alcohol or proprietary tape head cleaner.

The pinch-roller and capstan shaft may be cleaned in a similar manner.

To gain proper access to these parts, remove any cassette from the compartment and leave the lid raised. Pressing the Play key will engage the mechanics and move all parts into view.

It will be easier to clean the entire surface of the pinch-roller if the power source is connected (batteries or mains), so that the roller and capstan shaft rotate.

It is suggested that a proprietary Cassette Head Cleaning Cassette be used after manually cleaning the Record/Play head in order to restore the polish and remove surface film.



Failure to maintain the tape heads in clean condition will result in muffled reproduction, poor recordings and incomplete erasure.

Failure to maintain the pinch-roller and capstan shaft in clean condition, is likely to cause the tape to entangle and spill out of the cassette.

Do not touch the tape head with any metallic or sharp-pointed object.

Specifications:

Power Supply: AC (-) 120V 60Hz, DC 6V 4 batteries UM-2 C cell type

Speaker: 3" 8ohm

Output: 850 mW max

Cassette Section:

Tape: Standard Cassette Tape (lengths C-90 or less)

Tape Speed: 1-7/8 in/sec. (4.7 cm/sec)

Frequency Response: 200-6,300 Hz

Erasing System: DC Erase

Recording Bias System: DC Bias

Continuous improvements are always being made to our equipment, both in quality and performance, therefore we reserve the right to alter specifications without notice.

CALLING FOR SERVICE

For your nearest SchoolMate authorized service center
please call toll free **1-800-631-0868**

LIMITED WARRANTY

VCom MultiMedia Corporation warrants to the first end-user purchaser, for a period of one year from the date of purchase, that this SchoolMate brand audio equipment (the "Product") was shipped to the end-user purchaser, that when shipped in its original container, will be free from detective workmanship and materials, and agrees that it will, at its option either repair the defect or replace the defective Product or part there of at no charge to the purchaser for parts and labor.

This warranty does not apply to any appearance items of the Products nor to any Product the exterior of which has been damaged or defaced which has been subject to misuse, abnormal service or handling, which has been altered or modified in design or construction. In order to enforce the rights under this limited warranty, the purchaser should ship prepaid or carry the Product together with proof of purchase, to a SchoolMate Service Dealer or station. To find out the location of the nearest service center call **1-800-631-0868**

The limited warranty described above is in addition to whatever implied warranties may be granted to purchasers by Law. To the extent permitted by applicable law, ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO A PERIOD OF ONE YEAR FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above information may not apply to you. Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described above, or to extend the duration of than warranties beyond the tie period described above on behalf of VCom.

The warranties described above shall be the sole and exclusive warranties granted by VCom and for the period of time described above, shall constitute complete fulfillment of all liabilities and responsibilities of VCom to the purchaser with respect to the Product and shall constitute full satisfaction of all claims, whether based on contract negligence, strict liability or otherwise. In no event shall VCom be liable, or in anyway responsible for any damages or defect in the product which were caused by repairs or attempted repairs performed by anyone other that a SchoolMate service dealer or station. Nor shall VCom be liable or in anyway responsible for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

IMPORTANT SAFEGUARDS

CAUTION

All safety and operating instructions should be read before the appliance is operated, and should be retained for future reference.

Electrical energy can perform many useful functions. This unit has been engineered and manufactured to ensure personal safety. Improper use can result in potential electrical shock or fire hazard. In order not to defeat these safeguards, observe the following basic rules for its installation, use and servicing.

1. Heed Warning – All warnings on the appliance and in the operating instructions should be adhered to.
2. Follow Instructions – All operating and use instructions should be followed.
3. Water and Moisture – The appliance should not be used near water.
4. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet, that may impede the flow of air through the ventilation openings.
5. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
6. Power Source – The appliance should be connected to a power supply, only of the type described in the operating instructions, or as marked on the appliance.
7. Power-Cord Protection-Power – Supply cords should be routed so that they are not likely to be walked on or pinched by item placed upon against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
8. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
9. Non-Use Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
10. Object and Liquid Entry – Care should be taken so that the objects do not fall and liquids are not spilled into the enclosure through openings.
11. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
12. Servicing – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



Product Registration Instructions



Visit: www.HamiltonBuhl.com

1. Click on Customer Care
2. Click on Product Registration Icon
3. Please fill out all fields marked with * to register

Warranty:

Warranty begins the date item ships from our warehouse. All products, except for metal carts, have a one year warranty from original date of shipment, unless otherwise noted. Metal carts have a limited lifetime warranty on all housing components; however, carts have a one year warranty on any electrical / mechanical components.

Our Mission:

Since our founding in 1933, HamiltonBuhl continues to evolve as a leader in technology products for education and industry. Our products are embraced by educators, corporate trainers, presenters, government agencies, and hospitals for their daily presentation, from the classroom to the boardroom, HamiltonBuhl has the presentation product for you.

In the event service should become necessary for any reason, contact the dealer from whom you purchased this unit. The dealer will either service it for you, or return it to the factory, if the dealer feels this is necessary. If you wish to ship this unit to the factory yourself for service, pack carefully in original carton if possible to avoid damage. Ship prepaid and insured. Factory service will be given at minimum cost to registered owners or at no charge on merchandise warranty. Under no circumstances should any unit be returned to the factory without first obtaining a permission to do so, in writing, giving full details about the problem. Merchandise returned freight collect or without permission will be refused.



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