

CYRUS TUNER INSTRUCTION MANUAL

Congratulations on the purchase of your Cyrus Tuner. We are confident that it will bring you years of musical enjoyment.

We strongly recommend that you spend some time studying this manual to familiarise yourself with the Tuner's features and capabilities.

1. WARNINGS

Your Cyrus Tuner is factory set to operate from a fixed mains supply voltage. This voltage is marked on a label on the rear of the unit. Before connecting, check that this voltage is the same as your mains supply.

Before making ANY connections to the tuner ensure that the power switch is in the off (down) position.

Do not remove the tuner cover under any circumstances.

Ensure that the unit has adequate all round ventilation. Do not obstruct the ventilation grille on the top of the tuner.

Do not expose your tuner to excessive cold or heat, direct sunlight, humidity or water.

Do not use any chemicals to clean your Cyrus Tuner. Only a slightly damp, soft cloth should be used.

The original packing should be retained and always used when transporting the unit.

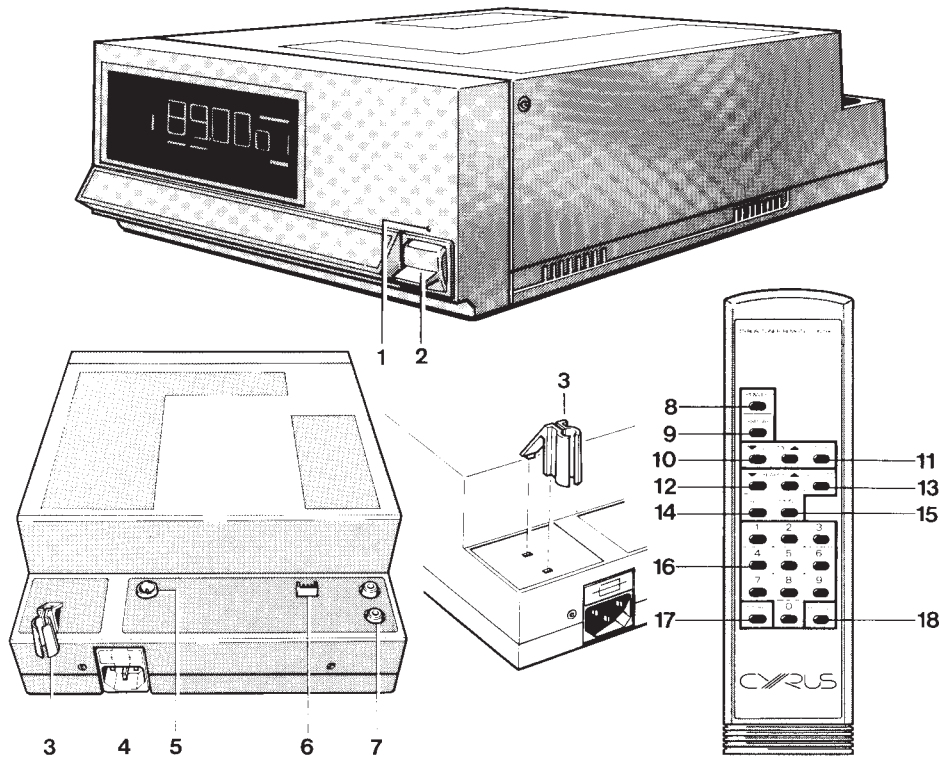
2. INSTALLATION

CONNECTING THE MAINS SUPPLY

A label at the rear of your Cyrus Tuner shows the appropriate mains supply voltage and fuse rating of the unit. If the mains supply voltage in your area is different contact your dealer or Mission Service Organisation.

The mains cable supplied with the unit is a three-core type and has an integral plug attached. Units supplied for the UK market do not have a mains plug, please refer to the section **FITTING A MAINS PLUG**.

Before connecting the mains supply, ensure that the power switch is in the off (down) position. Connect the supplied mains lead to the IEC socket at the rear of the tuner.



- | | |
|--|---|
| 1. LED power-on indicator
LED témoin de mise sous tension
Netzkontrolle Ein/Aus Anzeige | 10. Volume up/down keys
Touches volume plus/moins
Lautstärke +/- Taste |
| 2. Power switch
Interrupteur principal
Netzschalter | 11. Mute on/off key
Touche mute marche/arrêt
Stumm Ein/Aus Taste |
| 3. AM Aerial bracket
Support d'antenne
AM Antennenhalter | 12. Search up/down key
Touches recherche avant/arrière
Suchlauf +/- Taste |
| 4. IEC power socket
CEI prise secteur
IEC - Netzbuchse | 13. AM/FM selector key
Touche sélection AM/FM
AM/FM Wahl taste |
| 5. FM Aerial socket
Fiche d'Antenne FM
FM - Antennenbuchse | 14. Manual on/off key
Touche manuel marche/arrêt
Manuel Ein/Aus Taste |
| 6. AM Aerial socket
Fiche d'Antenne AM
AM - Antennenbuchse | 15. Mono on/off key
Touche mono marche/arrêt
Mono Ein/Aus Taste |
| 7. Left and right output terminals
Sorties gauche et droite
Ausgangsbuchsen (links & rechts) | 16. Numeric keypad
Touch programme numérique
Numerische Umschaltung Taste |
| 8. Power stand-by key
Touche attente "stand-by"
Stand-by Taste | 17. Store key
Touche mémoire
Speichertaste |
| 9. Display on/off key
Touche affichage marche/arrêt
Anzeige Ein/Aus Taste | 18. Review key
Touche review
Abruftaste |

FITTING A MAINS PLUG (UK ONLY)

The mains supply cable should be attached to a standard 13 Amp mains plug fitted with a 3 Amp fuse.

The wires in the mains supply cable are colour-coded as follows;

BROWNLive

BLUE.....Neutral

GREEN YELLOW.....Earth

The BROWN wire must be connected to the terminal that is marked with the letter L or coloured RED.

The BLUE wire must be connected to the terminal that is marked with the letter N or coloured BLACK.

The GREEN/YELLOW wire must be connected to the terminal that is marked with the letter E or by the safety earth symbol \perp or coloured GREEN or coloured GREEN AND YELLOW.

MAINS FUSE VALUE

There is a fuse in the IEC socket at the rear of the tuner, the fuse value should be as follows:

UK/Europe 240/220V63mA

N.America/Far East 120/100V100mA

POSITIONING THE TUNER

Your Cyrus Tuner may be sited as a free standing unit or stacked with other units in an audio rack. However you must ensure that none of the ventilation grilles are obstructed.

The tuner should not be placed near a source-of heat or in a position exposed to direct sunlight.

CONNECTING AND SETTING UP AERIALS

For AM reception a loop aerial with bracket has been provided. The bracket should be attached to the rear of the tuner in the sockets marked AM LOOP AERIAL BRACKET (see diagram). Clip the aerial onto the bracket. Plug the lead from the loop aerial into the terminal marked AM LOOP AERIAL at the rear of your tuner. Rotate the aerial as necessary for the best AM reception.

Connect your FM aerial to the terminal marked 75 Ohm FM AERIAL at the rear of the tuner.

For those who have access to cable-radio, connect the terminal marked 75 Ohm FM AERIAL to your cable-radio socket via a coaxial lead.

CONNECTING TO AN AMPLIFIER

Using the lead supplied, connect the output terminals at the rear of the tuner to the TUNER or AUX input of your amplifier. Make sure you connect the left and right terminals of the Tuner to the corresponding terminals of your amplifier. Do not connect the tuner to the PHONO input as this will overload and may damage your amplifier.

3. DESCRIPTION AND LOCATION OF CONTROLS

INTRODUCTION

The Cyrus Tuner is a remote controlled digitally synthesized AM/FM-stereo unit. It has 60 FM and 60 AM presets that it will remember even when the mains is disconnected. Several audiophile features include fine volume adjustment to counter inter-station volume variations. The ability to turn the display off has audible benefits due to reduced demand on the power supply and reduced digital "traffic" within the tuner. Two control modes (PROGram and PRESet) are employed to enhance the tuners operation.

THE REMOTE CONTROL HANDSET

The remote control handset is powered by three AAA type batteries. As all the functions of the Cyrus Tuner are controlled from the remote handset we suggest that the batteries be replaced at regular intervals, about once every six months or if the response of the Tuner is noticeably slow. Whenever new batteries are inserted, **POWER** must be pressed to reset the handset.

There are many features on the Cyrus Tuner and most of the keys on the handset have more than one function. In the following pages each particular function is covered in detail together with the key strokes required to activate it.

THE DISPLAY



Signal Strength Meter: This meter will indicate the reception strength of the tuned station or frequency. It can be used as a guide for manual tuning.



Waveband Indicators: AM (Amplitude Modulation) or FM (Frequency Modulation) will light up depending on your selected waveband.



Frequency Digits: In addition to the current frequency value, these digits will also display the current mode and volume level.



Frequency Units: KHz or MHz will light up depending upon the selected waveband. AM is measured in KHz and FM is measured in MHz.



Channel/Presets Digits: These digits will display the preset number of the current frequency, regardless of whether you have recalled or tuned to that frequency.



Locked-On Legend: This will indicate that the Tuner has locked-on to a station.



Stereo Legend: This indicates that you are receiving a stereo signal (FM only).



Mono Legend: Indicates that *mono* has been selected (FM only).



Manual: This will light when the Tuner is set to *manual* tuning mode.



Red Circle: This will flash whenever the Tuner receives a signal from the remote handset. The circle will remain on to indicate that the Tuner is *muted*.

4. OPERATING THE CYRUS TUNER

POWER ON/OFF

Once your tuner is set up according to the Installation section, turn it on using the front panel switch. The L.E.D. will light up. If this is the first time the tuner has been turned on it will display;



followed by;



The tuner will return to it's last setting whenever it is turned on.

The Cyrus Tuner may be set to *Standby* by pressing the **POWER** key on the handset. Pressing it once again will reactivate the tuner.

CONTROL MODES

The two control modes are PROGram and PRESet. PROGram mode allows you to tune and store up to 60 stations in each waveband. There are several ways to do this, you should study the functions available to you (described in the following sections) and decide which is best for you.

PRESet mode will not let you store or adjust any presets. Instead, you have quicker and more direct access to your presets. The *Flip* and *Browse* features are provided for added convenience. You may switch between the control modes as desired;

To switch between the two Control Modes, key in **0 0 MANUAL**;



will be displayed to indicate that the tuner is in PROGram mode or;



will be displayed to indicate that the tuner is in PRESet mode.

PROGRAM MODE

Select PROGRAM mode

The functions below are followed by their corresponding key strokes. Each line beginning with * is a separate command. Key strokes separated by the < sign must be completed within five seconds. Do not worry about pressing the wrong keys as this will not damage your tuner.

1. Automatic Set Up.

This feature is convenient if you do not wish to get involved in the time consuming task of tuning and programming a tuner. The Tuner will automatically find and store in ascending presets all the strong signals.

* STORE < SEARCH UP

Press any key to stop this function. Automatic Set Up may take some time to complete as the tuner needs to scan the waveband, it will then display the first preset, e.g.:



We suggest that you use this facility when atmospheric/reception conditions are best e.g. in the evening. The process may be repeated for both wavebands.

2. Automatic Search.

The Cyrus Tuner will automatically search up or down the waveband and stop when it finds a strong station.

* MANUAL Turn off *manual* mode, if it is on

* AM/FM Select required waveband

* SEARCH UP or SEARCH DOWN

Pressing the opposite search key will reverse the search direction. Pressing any other key will stop the search. For example, when an FM stereo station is located the display could look like this:



Please note that if you tune to a frequency that has been previously stored, that preset's number will appear in the display (as shown above).

3. Manual Search.

Use this feature to manually locate stations by searching up or down the waveband.

- * MANUAL - To turn *manual* mode on
- * AM/FM - Select required waveband
- * SEARCH UP or SEARCH DOWN

Release the search key to stop or hold down the key to increase the search speed. Use the signal strength meter to help you locate stations. The tuner will not mute automatically so that you may monitor the tuning. For example, when you have found a weak FM station the display could look like this;



4. Direct Access Tuning.

If you know the frequency you require, key it in and the Tuner will jump instantly to that frequency without searching through the waveband.

- * AM/FM - Select waveband
- * Enter frequency

The tuner will prompt you for the remaining digits after the first key is pressed, for example:



If the frequency that is entered is out-of-range the tuner will display:



for one second and return to the previous frequency.

AM stations are transmitted on predetermined frequency steps. If the frequency entered is not a denomination of these steps the tuner will automatically seek for the next lower valid frequency.

5. User Defined Store.

This feature allows you to store the displayed frequency to a preset location of your choice.

- * STORE < two-digit preset number

The display will prompt for the location number when you first press **STORE**:



6. Automatic Store.

This feature will automatically store the displayed frequency to the lowest available preset location.

* **STORE** < **STORE**

7. Preset Recall.

Use this facility to recall any existing presets.

* **REVIEW** < *two-digit preset number*

The display will prompt for the preset number when you first press **REVIEW**:



8. Preset Scan.

If you are unsure of the preset you wish to listen to, this feature will automatically play each preset in turn for five seconds.

* **REVIEW** < **SEARCH UP** or **SEARCH DOWN**

Stop this function by pressing any key.

PRESET MODE

Please note that the **MANUAL** key has no function in this mode.

1. Recall.

This feature is similar to Preset Recall, however you enter just the two-digit number of the preset you wish to hear.

* *preset number e.g. 01 or 15 etc.*

2. Step Recall.

This is a manual version of Preset Scan. You can use this feature to step up or down the preset numbers to find a preset you like.

* **SEARCH UP** or **SEARCH DOWN**

3. Browse.

You can use this feature to browse or listen to different stations (for instance during commercials) returning to your original programme at any time.

- * STORE
- * Use *Recall* or *Step Recall* functions (see above)
- * REVIEW

4. Flip.

This feature allows you to flip between your current and previous preset.

- * REVIEW
- * REVIEW

FEATURES COMMON TO BOTH PROGRAM AND PRESET MODES

1. Mute On/Off.

Use this feature to mute and demute the Tuner.

- * MUTE

The red circle in the display will light up to inform you that the Tuner is muted.



2. Volume Up/Down.

The Cyrus volume control is designed to compensate for inter-station volume differences. You can adjust the output level of the Tuner by a total of 7.5dB in steps of 1.25dB.

- * VOLUME UP or VOLUME DOWN

Whenever any volume key is pressed the tuner will display the volume level in decibels, for example:



Press **STORE** then the preset number displayed to store the volume level.

3. Display On/Off.

The display off feature is for ultimate fidelity of your tuner. Display off reduces the demand on the power supply as well as reducing the digital traffic within the Tuner resulting in an improvement in the sound quality.

- * DISPLAY

4. Mono On/Off.

To reduce hiss and other background noise when reception is poor the tuner may be set to mono (FM only).

- * MONO/STEREO

The tuner will indicate that you have selected mono:



ADDITIONAL SPECIAL FEATURES

The special features of the Cyrus Tuner are designed for occasional use and therefore have fairly complex key-strokes to activate them. This also eliminates accidental operation.

1. Handset Disable.

This special feature is for disabling the handset to prevent anyone from interfering with your program.

- * 0 0 < POWER

The same key-stroke will enable the handset.

2. Clear Presets

Use this feature to reset all the presets, for example if you relocate or are unsatisfied with your presets.

- * 0 0 < REVIEW < STORE

The tuner will display;



to indicate that the presets are being cleared.

5. IN CASE OF TROUBLE

In our experience most problems are caused by faulty installation and/or cables. Please check that all the cables and aerials are connected and set up correctly.

If you have a problem with a particular function, make sure you are in the correct Control Mode.

It is very important that the batteries for the handset are replaced at regular intervals. If the unit should in anyway malfunction, replace the batteries immediately.

PROBLEM	PROBABLE CAUSE AND CURE
L.E.D. and display do not light up and there is no sound.	The unit is not receiving any power. Check that the unit is plugged in and the power switch is in the on (up) position. Check the mains fuse.
	The L.E.D. is on but there is no display. The display is turned off. Press DISPLAY on the handset.
The display is on but there is no sound.	If the red circle is lit, the tuner is muted. Press MUTE on the handset to demute the tuner. Check that the unit is tuned to a station.
The Tuner is not responding to the handset.	The handset is disabled, key in 0 0 POWER . The Tuner is not connected to the mains. Replace the batteries and/or clean the battery terminals. Press POWER to reset the handset whenever new batteries are inserted. Check for obstructions between the handset and the Tuner.
Auto Set Up and Auto Tuning are not locking-on to any stations.	There are no strong stations. Try re-adjusting your aerials. If the problem persists consult your dealer and/or try a better quality aerial

6. GUARANTEE CONDITIONS

1. The guarantee only becomes effective if completed by the Dealer and the Purchaser and returned to Mission Electronics Limited or the Distributor within eight days of purchase.
2. The guarantee excludes: (i) all damage caused through accident, misuse, wear and tear, neglect or through incorrect installation, adjustment or repair and (ii) liability for damage or loss occurring during the transit to or from the purchaser.
3. Claims under this guarantee must, whenever possible, be made through the Dealer from whom the equipment was purchased, or, if that is not convenient, through another authorised dealer.
4. Mission Electronics Limited shall not be liable for any consequential damage, loss or injury whatsoever arising from or in connection with the equipment.
5. The cost of carriage (to or from the Dealer) shall be borne by the Purchaser.
6. This guarantee is personal to the original Purchaser and is not transferable.
7. If equipment returned is found on examination to comply with the published specification, Mission Electronics Limited reserves the right to make a charge for examination and for return carriage.
8. No Dealer or Distributor has any authority to vary the terms of this guarantee.
9. Any unauthorised servicing will result in the loss of the guarantee.
10. We recommend that you retain a copy of your sales receipt for this tuner should you have recourse to return it to an authorised MISSION dealer other than the one who originally supplied them.
11. The above conditions do not affect your statutory rights as a consumer.