



# Talk Electronics

## User Manual

# Lightning Owner's Manual

## INTRODUCTION

Thank you for choosing a Talk Electronics Lightning tuner. We are confident that it will provide you with many years of musical enjoyment and reliable service. However, please take the time to read this guide thoroughly before using the tuner. It explains how to install and connect it, and suggests how to ensure that you always enjoy its optimum performance.

## UNPACKING LIST

- Tuner
- Instruction manual
- AC power cord
- Guarantee card

**NOTE:** We recommend that the supplied AC power cord is replaced with a high quality Merlin Cables power cord for best results. Please be aware that this unit is not supplied with interconnects and we recommend the use of the Merlin series of interconnect cables.

## INSTALLATION INSTRUCTIONS

### HOW TO SITE AND CONNECT YOUR LIGHTNING TUNER FOR BEST PERFORMANCE AND SAFE OPERATION

Please unpack your tuner carefully and position it on a stable, level surface close to a mains socket. Before attempting to connect it into your system please read this manual carefully.

The Lightning will perform well placed on a coffee table or bookshelf but if you wish to achieve the best performance we suggest you place it on a specialist hi-fi support. There are many suitable designs available, which your dealer will be happy to advise you about.

Position the tuner so that it will not be subjected to high ambient temperatures: avoid sites where it will be in direct sunlight or close to a central heating

radiator. For your own safety — and your tuner's well-being — do not allow it to come into contact with water. Keep it away from potted plants to avoid those all-too-common watering accidents! To clean the tuner's case disconnect it from the wall socket and wipe it with a barely damp, lint-free cloth or chamois leather. If you suspect that water has entered the casework, return the tuner to your dealer so that he can examine it.

Once you have installed the tuner **please do not throw away its packaging**. If you move home or need to return the unit to your dealer, the original packaging will protect it and ensure it arrives undamaged.

## ELECTRICAL CONNECTIONS

The Lightning comes with a ready assembled mains lead and we suggest that you use this to connect it to the mains supply. We strongly recommend that you connect the lead directly to a wall socket and do not use extension blocks, which degrade sound quality. For the same reason we also advise against "line filters" and "mains conditioners". If your mains supply is noisy or you have household appliances that generate clicks and pops that can be heard through your hi-fi system, have an electrician correct the problem at its source. We do however recommend the use of 'Merlin Cables' power chords which do not interfere with the current flow and offer a significant performance improvement

If, for any reason, you wish to replace the plug or cable, please note that the lead must be connected as follows.

**NOTE:** These instructions apply in the United Kingdom only – consult your dealer about wiring conventions in other countries.

Green and yellow wire connects to EARTH (E or symbol  $\perp$ )

Blue wire connects to NEUTRAL (N)

Brown wire connects to LIVE (L)

Please ensure that the replacement lead contains a 5A fuse.

## RECEPTION

**FM** - For best results an outdoor or roof top aerial is recommended, an indoor aerial may result in poor reception and a noisy performance

**AM** (Europe only) - This will require an external aerial which may be purchased from your dealer or distributor, it will not function without.

## GENERAL

Upon switching on - The blue LED will illuminate but the tuner display will take 3-4 seconds whilst it performs a self check and recovers the data from the memory chip. Once illuminated the display will show the most recently used settings and audio output will be restored.

The Blue LED on the front panel will illuminate whilst the unit is powered up - even in standby/mute mode.

The Red LED indicates that the output is operational - it will go out if the tuner is muted or if there is not a strong enough signal when swapping between stations.

## FRONT PANEL CONTROLS

### AM/FM

Selects between AM or FM operation

### UP

Depending upon the mode (see Mode section).

1. This scrolls through either your preset stations in an upward direction (The order in which you saved them)
2. This increments in 0.5MHz steps in manual mode
3. This searches upwards through the range until a station is found with a strong enough signal.

### DOWN

This does the opposite to the up button

### MONO

This selects either Mono or Stereo operation, Stereo is the default

## STORE

Tune to the station you wish to store. Then press the Store Key once, whilst the memory light flashes you may use the up and down keys to select the memory position **then press the STORE key again to confirm.** It will automatically over-write any previously stored station.

## OPTIONS

To change any option press the 'Mute' button.

**RDS** on/off - select the option then use the MUTE button to select the function. RDS displays the station ID when transmitted. Not available in all countries.

**AERIAL TYPE** - select either Cable or Roof top. Cable is an attenuated input and should only be used for connection to cable networks.

**SIGNAL STRENGTH** - This is on a scale of 1-10.

## MODE

This has 3 functions,

1. Manual
2. Auto search
3. Preset stations

use the UP & DOWN keys to navigate

## MUTE

This puts the tuner into stand-by mode, muting the output and turning off the display except for a hyphen. It is also used for selecting items from the options menu. See above.

## REAR PANEL CONNECTIONS

The connections for the FM antenna can be found on the left side when viewed from the rear. This is a standard European Coaxial plug.

Analogue output sockets are of the RCA phono type and are clearly identified for left and right. These should be connected to the tuner input of your amplifier or pre-amplifier.

## SPECIFICATIONS

FM Range		87.5MHz - 108MHz	
AM Range		MW	
Output		Max 2V RMS	
Working Voltages		Mains 220~240v AC	Mains 110~120v AC
Dimensions (W x D x H mm)		430 x 300 x 90	
Weight per unit	unpacked	4.90Kg	
	packed	5.95Kg	

Talk Electronics' policy of continued research and development means that the above specification may change without notice.

The Lightning has been manufactured to conform with the protection requirements of the EC Council directive 89/336/EEC relating to EMC by application of the following standards:

EN50081-1 1992 Emissions Standard

EN50082-1 1992 Immunity Standard

and also the requirements of the EC low voltage directive relating to electrical safety by application of the following standard BSEN60065: 1994 Safety standard

For the purposes of testing the Lightning was used with the mains cables and high quality interconnects supplied by Merlin Cables. Compliance with the above standards can only be made if the unit is installed as per this manual and using the correct cables.

Guarantee: 3 Years return to dealer.

To help us provide you with the most efficient service please return your guarantee card promptly. Your tuner is guaranteed against manufacturing and component defects for a period of 3 years. The guarantee does not cover: damage caused by accident, misuse, neglect or through incorrect installation, adjustment or repair by unauthorised personnel, the cost of collecting the Lightning from you and returning it to the dealer. The above does not effect your statutory rights as a consumer.

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