

## Step 1a – Connecting A MIDI Guitar

Hardware Requirements	Recommended Hardware
A MIDI Guitar with power source	Yamaha EZ-AG
A MIDI-to-USB Connection Cable	Yamaha UX-16 <i>(there is a cheap generic cable sold online which is shipped from asia and the connections are extremely poor, a higher quality cable such as this is highly recommended)</i>
A Computer with a USB Port	MacBook Pro

### Setup Instructions for Recommended Hardware

- A. Either connect an AC-Adapter to the power input port or open the slot on the rear of the guitar and insert 6xAA batteries then switch on
- B. Connect the MIDI-to-USB Cable, the MIDI-Out connector on the cable should be inserted into the MIDI-In port of the instrument and vice versa.
- C. Insert the USB end of the Yamaha UX-16 cable into the USB port computer



*NB – If your instrument solely utilises a digital interface i.e. the Yamaha EZ-AG or EZ-EG then tuning is not necessary as the sound produced by the guitar is from a circuit board and not resonating strings. However, there are several tuning presets on the guitar (see the respective manual) and by default every time it is powered on it will be set to EADGBE tuning.*

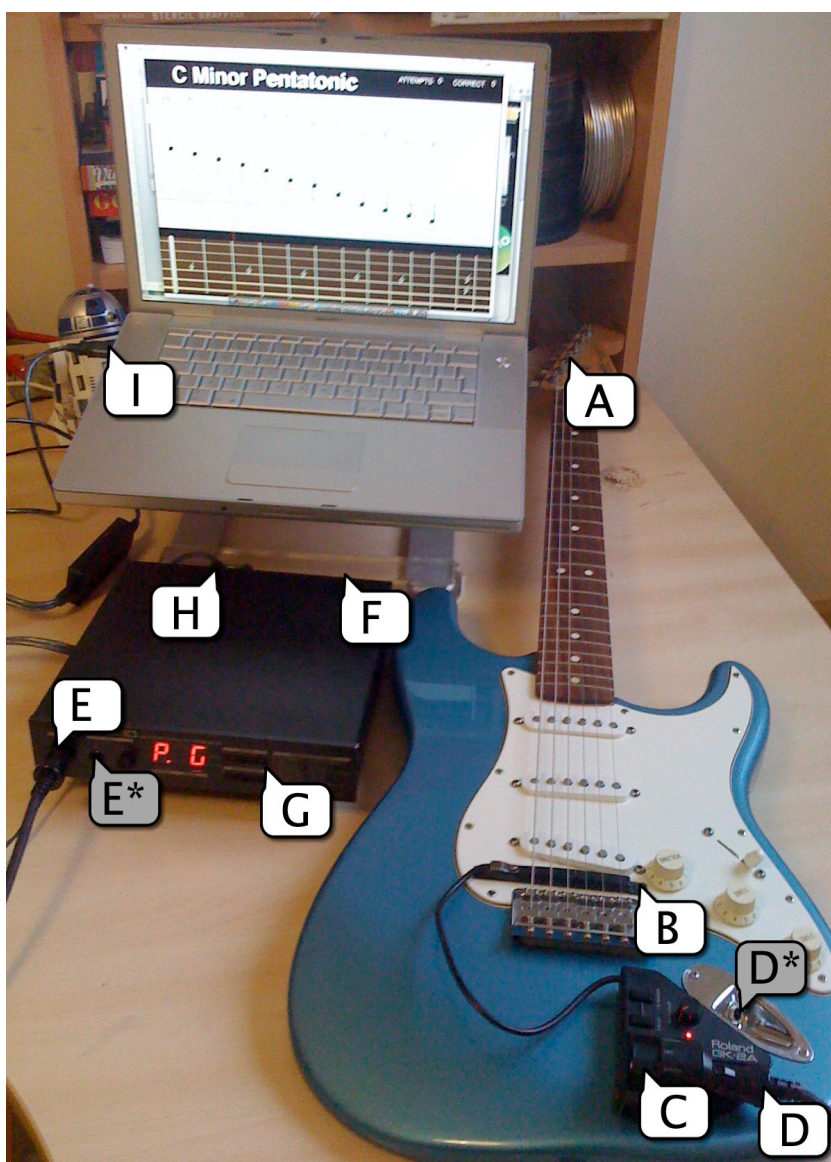
*If you own a standard guitar with a built in MIDI processor such as the Casio MG Series, then please ensure that this instrument is tuned correctly before playing the game (see Point A. in Step 1b overleaf)*

## Step 1b – Connecting A Standard Electric Guitar

Hardware Requirements	Recommended Hardware
A Full-Sized Electric Guitar	Fender Stratocaster (Mexican)
A MIDI Processor and AC Adapter	Roland GI-10
A Divided Pickup Unit* and Cable	Roland GK-2A with a 13 pin cable
A MIDI-to-USB Connection Cable	Yamaha EZ-AG
A Computer with a USB Port	MacBook Pro

### Setup Instructions for Recommended Hardware

- A. By turning the tuning forks, tune each string of the guitar to standard EADGBE tuning unless otherwise instructed, if the guitar is not correctly tuned then even if you play the correct positions, the MIDI messages sent will appear to be incorrect to the game and the scoring system will be ineffective.
- B. Ensure the divided pickup is installed correctly (*refer to page 12 in the GK-2A Owner's manual*)
- C. Attach the GK-2A main unit to the guitar body using either screws or the tape provided (*refer to page 14 in the GK-2A Owner's manual*), scroll the mode selector to 'Guitar'
- D. Connect the Roland 13 pin cable to the GK-2A Controller Unit
- E. Connect the Roland 13 pin cable to the GI-10 Processor
- F. Plug in the AC Adapter and switch on the GI-10 Processor
- G. Set the input parameter mono, this ensures each string has its own dedicated MIDI Channel.
- H. Attach the MIDI-IN end of the Yamaha UX-16 Cable to the MIDI-OUT port of the GI-10 processor
- I. Insert the USB end of the Yamaha UX-16 cable into the USB port computer



*\* If you do not have access to a Divided Pickup System, the Roland GI-10 can be connected directly to the guitar using a standard input jack via ports D\* and E\*. In this scenario, steps A-C can be ignored. Game performance has been untested using this approach, although research suggests that it can be expected that note recognition latency can be increased and erroneous data may be introduced, therefore it is recommended that you use the Divided Pickup.*