

# Home Concert Xtreme



*Intelligent Accompaniment that follows your playing!*

*David Rhynas*

# MIDI

## *Musical Instrument Data Interchange*

- Data protocol that allows electronic instruments and other digital musical tools to communicate with each other
- No sound, just a series of messages like *note on*, *note velocity*, *note off*
- Advantages: compact files, easy to modify, can change instruments



# Connecting Keyboard

- Three options, depending on the connector(s) at the back of your MIDI instrument
- USB to USB cable
- MIDI to USB cable
- Bluetooth wireless MIDI interface



Yamaha  
MD-BT01



M-Audio USB  
Midisport Uno

# Home Concert Xtreme

- Interactive play-along environment for MIDI files with orchestral accompaniment
- App is available for Mac, PC and iPad
- Compatible with thousands of free and commercial MIDI files
- Learning and performing features for beginners and professionals

# What Can HCX Do?

- Displays the musical score and determines your location and with automatic page turns
- Plays accompaniment tracks (Jam Mode)
- Waits for you to play the right note (Learn Mode)
- Follows your changing tempo and how loud you are playing (Perform Mode)

# Perform Mode

- Tracks playing of the solo part and outputs a coordinated accompaniment
- Adjusts tempo of the accompaniment tracks to match your playing
- Adjusts volume of accompaniment tracks to match your dynamics
- Follows you to another part of the piece

# Garritan Personal Orchestra

- Collection of over 500 virtual orchestral instruments
- Each instrument is audio sampled and not tone generated
- Includes strings, woodwinds, percussion and keyboards
- Concerto scores available for HCX

# Putting It All Together

<https://youtu.be/wK9qM2xdLG4>