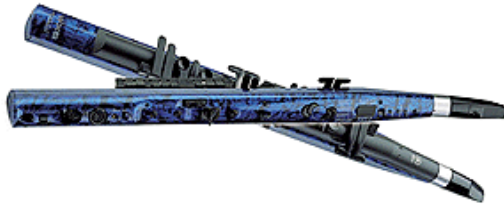

WX5**Wind MIDI Controller**

Extraordinary Playability and Versatility

The Yamaha WX5 Wind MIDI Controller takes wind MIDI control to new levels of performance and playability. With precise, responsive wind and lip sensors, a choice of single-reed or recorder type mouthpieces, and a range of fingering modes, the WX5 makes expressive wind control more accessible than ever before. The WX5 gives experienced wind players a new medium and vastly expanded sonic possibilities in a familiar format, playable enough for beginners.

Expressive Controls

The WX5 provides expressive control and nuances that are simply not available with keyboards or other MIDI controllers. Although it is ideal for use with just about any MIDI tone generator or synthesizer, combined with a state-of-the-art tone generator such as the Yamaha VL70m Virtual Acoustic Tone Generator, the WX5 is capable of expressive depth and tonal subtlety that rivals the finest acoustic instruments.

Most Advanced

The Yamaha WX5 Wind MIDI Controller is simply the most advanced, most versatile, most playable and most expressive MIDI controller of its kind.

If You Already Play a Wind Instrument...

The WX5 is your key to vastly expanded expression and musical scope. You'll be able to use familiar fingering and techniques to play an unlimited range of new sounds. Play the WX5 like a saxophone, for example, but sound like a trombone, piano, electric guitar, bass ... literally any sound that gives you the musical effect you want. Why leave this type of sonic versatility to the keyboard players?

If You've Never Played a Wind Instrument Before...

The WX5 is easy to learn. You can choose a fingering that you're most comfortable with right from the beginning. And, unlike an acoustic wind instrument, it doesn't take months of practice just to get a decent tone. The reedless recorder type mouthpiece supplied in addition to the saxophone type mouthpiece makes playing even easier. An extensive range of customizable parameters lets you set up the WX5 to play the way you want it to. The WX5 can open the door to a whole new world of expression.

Play Any MIDI Tone Generator

MIDI, the Music Instrument Digital Interface, is the standard used by virtually every modern MIDI tone generator or other electronic music device available from any manufacturer. Since the WX5 is a 100% MIDI-compatible controller, it can be used to play any MIDI tone generator on the market today - starting with the extensive lineup available from Yamaha.

Use the WX5 with the Yamaha VL70-m or MU Series Tone Generators

The Yamaha VL70m Virtual Acoustic Tone generator is a perfect match for the WX5. Although a mono tone generator, its advanced computer-modeling technology delivers some of the most realistic and expressive wind-instrument sounds available in any tone generator system. The MU-series XG tone generators are also an excellent choice. But you're in no way limited: choose the MIDI tone generator that provides the type of sound you want.

High-Resolution Wind and Lip Sensors with Precision Calibration Controls

The WX5 translates the player's breath and lip pressure to MIDI data via high-resolution wind and lip sensors that can be precisely calibrated to match individual playing characteristics. If you normally play sax, for example, you can set up the WX5 so that it plays almost exactly the same as your acoustic instrument. That way you can switch back and forth between instruments without even having to think about adjusting your style.

A Choice of Fingering Modes

Whether you're an experienced wind instrument player or a beginner, one of the WX5's four selectable fingering modes will provide optimum playability for you. The "Saxophone (c)" mode, in particular, allows the same type of alternate fingerings that sax players use to add subtle variety and expression to their sound.

Saxophone (a) Fingering Mode

Basically the same as saxophone fingering, except that the fingering remains the same in all octaves, and thus easy to learn.

Saxophone (b) Fingering Mode

This mode is similar to Saxophone (a), but with additional trill key functions to facilitate rapid passages. This fingering is similar to that on the WX5's predecessor, the Yamaha WX11 Wind MIDI Controller.

Flute Fingering Mode

Similar to flute fingering, this mode is ideal for players who are familiar with flute fingering. Rather than continuous pitch bend in response to lip pressure, the pitch jumps up one octave when lip pressure is applied simulating the "overblow" octave shift on an acoustic flute.

Saxophone (c) Fingering Mode

A variation of the Saxophone (a) fingering mode, this mode allows saxophone-type alternate fingerings. Although alternate fingerings produce the same note, they produce slight variations in pitch and timbre which can be used for musical effect.

WX5 and VL70-m Virtual Acoustic Tone Generator

WX5 and VL70m Acoustic Tone Generator: The perfect match: extraordinarily realistic and expressive wind instrument sounds, as well as direct connection via the WX cable without the need for batteries or an AC Adaptor.

WX5 and MIDI Tone Generator

Basic but very versatile, this is the type of setup you'll use with any MIDI tone generator of your choice.

WX5 with the MFC10 Foot controller

With the MFC10 Foot Controller you can switch voices, control volume or other parameters, and generally change setups via foot control without interrupting your performance.

WX5 and QY70 or QY700 Music Sequencer

The WX5 can be connected to an integrated sequencer/tone generator unit such as the Yamaha QY70 or QY700 to allow convenient recording and playback of MIDI data.

Comprehensive Setup Capability and Versatile Realtime Control

In addition to connectors, calibration controls and setup switches, the "thumb side" of the WX5 offers a range of controls and features which are not available on conventional acoustic instruments.

Sensor Gain Controls

These four controls adjust the gain and zero point of the wind and lip sensors for optimum playability.

Octave Keys

These keys allow you to shift the pitch of the instrument up or down by one, two, or three octaves while playing.

Setup Button

Used in conjunction with other WX5 control buttons, the Setup Button allows software wind gain, octave transpose, and other settings to be changed while playing.

Pitch Bend Wheel

Like the pitch bend wheel on keyboard synthesizers, the WX5 pitch bend wheel can be used to produce smooth pitch bends.

Key Hold Button

The Key Hold button controls any of the four assignable key hold functions.

Program Change Button

Used in conjunction with the instrument's keys, the Program Change button can be used to transmit MIDI program changes and bank numbers to the connected MIDI tone generator in order to change voices directly from the WX5.

MIDI Out Connector

When not using the WX cable, this connector is used to directly connect the WX5 to a MIDI tone generator via a standard MIDI cable.

WX Out Connector

This connector allows the WX5 to be directly connected to compatible Yamaha tone generators (such as the VL70m) via the supplied WX cable.

Customize the WX5 for Your Playing Requirements —

Dip Switches 1 - 3

The WX5 has 16 DIP switches which allow it to be customized to meet your individual playing requirements.

1. Velocity: determines whether the key-on velocity (i.e. the attack of each note) will be fixed or controlled by wind pressure;
2. Wind Sensor to MIDI data: specifies the type of MIDI data which the WX5 wind data will be transmitted;
3. Wind Curve: determines the relationship between breath pressure and the output MIDI volume data

Dip Switches 4 - 6

4. Tight Lip/Loose Lip Mode: selects the Tight Lip or Loose Lip playing mode;

5. Lip Data Range: determines the range of data which can be produced via lip control - "Normal" or "Wide";
6. LipData: specifies the type of MIDI data which the WX5 lip data will be transmitted - "Pitch Bend" or "Modulation".

Dip Switches 7 - 10

7. Lip + Control Change Data: determines whether or not MIDI control change number #18 will be added to the lip data transmitted by the WX5;
8. Transpose: sets the "key" of the WX5: i.e. the actual pitch played when all keys are closed - "C2," "Bb1," or "Eb2."
9. Fingering: specifies the WX5 fingering mode - "Saxophone (a)," "Saxophone (b)," "Saxophone (c)," or "Flute";
10. Fast Response: sets the speed at which the WX5 will respond when a note is played.

Dip Switches 11 - 12

11. High D/D# Key Assign: determines whether the high D and D# keys will be used normally as playing keys, or to transmit control change data;
12. Pitch Bend to MIDI Data: determines the initial power-on Pitch Bend Wheel control mode.

Specifications:

| | |
|------------------------|---|
| Controls | Note keys (16 keys including assignable high keys (2), Octave Change Keys (4) (Control range: 7 octave), Pitch Bend wheel, Setup Switch, Hold Switch (Key Hold/Sustain/Portament), Program Change Switch, Power On/Off Switch |
| Rotary Controls | WIND ZERO, WIND GAIN, LIP GAIN, LIP ZERO |
| Transpose | Key Transpose: C2,Bb1,Eb; Octave Transpose: 5 step (-2/-1/0+1/+2) |
| Fingering | Saxophone (a), Saxophone (b), Saxophone (c), Flute |
| Dip Switches | Velicoty: On/Off; Wind Data: CC#2(Breath Controller), CC#7(Volume), CC#11(Expression); Wind Curve: Normal/Hard; Lip Mode: Tight Lip/Loose Lip; Lip Range: Normal/Wide; Lip Data: Pitch bend/Modulation wheel; Lip+ CC#18 (Gen3): On/Off; Transpose: C2/Bb1/Eb2; Fingering: Saxophone (a,b,c), Flute; Fast Response: On/Off; High D,D# key assign: On (D: CC#81, D#: CC#80)/Off; Pitch Bend Data: Pitch bend Up and Pitch bend Down/Modulation wheel and Pitch bend Down/CC#16 (Gen1) and CC#17(Gen2) Bright Up/Down |
| Sensors | Wind Sensor, Lip Sensor |
| LED | Red LED x 2 (WIND Monitor, LIP ZERO Monitor) |
| MIDI Transmit Channel | 10 - 16 channel |
| Connections | MIDI Out connector, WX Out connector (Power and MIDI Out), DC in Jack |
| Power Supply | UM-4, AAA, R03 x 6, PA3B AC Adapter, WX Out Connector (from compatible Yamaha Tone Generators or BT7 MIDI/Power Pack) |
| Dimnsions (L x W x D) | 611 x 62 x 70 mm |
| Weight | 520 g |

Accessories:

Included:

Soft Case
WX Cable
Strap
Recorder Cream

Mouthpiece Saxophone Type Mouthpiece (attached), Mouthpiece Cap (attached), Recorder type Mouthpiece

Optional:

VL70M VL70m Virtual Acoustic Tone Generator is a compact, low-cost addition to Yamaha's expanding line of Virtual Acoustic Synthesis instruments, giving electronic musicians unprecedented musical flexibility.

MFC10 MIDI Foot Controller - Provides remote switching of up to 100 control change parameters and 128 program change numbers (or up to 12,800 control change parameters if 100 bank select messages are used), and more.

BT7 MIDI/Power Pack for the WX5

QY70 Music sequencer

QY700 Music sequencer

PROTECTIVE GEAR:

YCWX5 Deluxe hardshell case for the WX5 Wind Controller. Inside this hardshell case your Yamaha wind controller rests safely surrounded by custom formed foam with a soft valour covering.
