

Chordcat MIDI Implementation Guide

This document describes the MIDI messages transmitted and received by the Chordcat.
 You can edit the Chordcat MIDI settings in the [Menu] setting of this unit.
 For the MIDI settings of this unit, please refer to the Operating Instructions.

MIDI Messages

System Real Time Messages

Status	Description
1111 1000	MIDI Timing Clock
1111 1010	Start
1111 1011	Continue
1111 1100	Stop

Received Channel Messages

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1000 nnnn	0kkk kkkk	0vzv vvzv	Note Off. Velocity is ignored.
1001 nnnn	0kkk kkkk	0vzv vvzv	Note On. Note Off if 0vzv vvzv=0.
1011 nnnn	0vzv vvzv	0vzv vvzv	Control Change. See "Received Controller Messages".

Received Controller Messages

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1011 nnnn	0000 0101	0vzv vvzv	PortamentoTime.
1011 nnnn	0000 0111	0vzv vvzv	TrackVolume.
1011 nnnn	0000 1010	0vzv vvzv	TrackPan.
1011 nnnn	0100 0001	0vzv vvzv	PortamentoOn.
1011 nnnn	0100 0111	0vzv vvzv	LpfResonance.
1011 nnnn	0100 1000	0vzv vvzv	AmpEnvelopeRelease.
1011 nnnn	0100 1001	0vzv vvzv	AmpEnvelopeAttack.
1011 nnnn	0100 1010	0vzv vvzv	LpfCutoffFreq.
1011 nnnn	0101 1011	0vzv vvzv	ReverbSend.
1011 nnnn	0101 1101	0vzv vvzv	ChorusSend.
1011 nnnn	0111 1000	0000 0000	All Sound Off.

Transmitted Channel Messages

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1001 nnnn	0kkk kkkk	0vzv vvzv	Note On. Note Off if 0vzv vvzv=0.
1011 nnnn	0vzv vvzv	0vzv vvzv	Control Change. See "Transmitted Controller Messages".
1100 nnnn	0vzv vvzv	0000 0000	Program Change.

Transmitted Controller Messages

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1011 nnnn	0000 0000	0vzv vvzv	Bank Select(MSB).
1011 nnnn	0010 0000	0vzv vvzv	Bank Select(LSB).
1011 nnnn	0000 0101	0vzv vvzv	PortamentoTime.
1011 nnnn	0000 0111	0vzv vvzv	TrackVolume.
1011 nnnn	0000 1010	0vzv vvzv	TrackPan.
1011 nnnn	0100 0001	0vzv vvzv	PortamentoOn.
1011 nnnn	0100 0111	0vzv vvzv	LpfResonance.
1011 nnnn	0100 1000	0vzv vvzv	AmpEnvelopeRelease.
1011 nnnn	0100 1001	0vzv vvzv	AmpEnvelopeAttack.
1011 nnnn	0100 1010	0vzv vvzv	LpfCutoffFreq.
1011 nnnn	0101 1011	0vzv vvzv	ReverbSend.
1011 nnnn	0101 1101	0vzv vvzv	ChorusSend.
1011 nnnn	0111 1000	0000 0000	All Sound Off.

Where:

0kkk kkkk	Note Number 0-127.
nnnn	Channel Number 0 to 15 (MIDI Channel 1 to 16). * Ignored if MIDI channel set to ALL.
0vzv vvzv	Value