

# VOCODER VC340 SysEx Information

## SysEx Data Format

<b>F0</b>	<b>Manu ID</b>	<b>Model ID</b>	<b>D1</b>	...	<b>Dn</b>	<b>F7</b>
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Manu ID: 00 20 32, Behringer GmbH

Model ID: 00 01 07, Behringer Vocoder VC340

D0-Dn: Data for configuration, the range is 00-7F.

## MIDI Channel

<b>F0</b>	<b>Manu ID</b>	<b>Model ID</b>	<b>0E</b>	<b>01</b>	<b>Data1</b>	<b>Data2</b>	<b>F7</b>
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Data	Description	Range	Default
Data1	MIDI TX channel	00 to 0F	00-Channel 1
Data2	MIDI RX channel	00 to 0F: channels 1 to 16 10: all channels	00-Channel 1

Eg. Set MIDI TX channel to 14, RX channel to 13: F0 00 20 32 00 01 07 0E 01 0D 0C F7. If a data is out of range, the corresponding setting is ignored. So if you want to change MIDI TX channel but don't want the RX channel to be changed, you can send SysEx like this: F0 00 20 32 00 01 07 0E 01 09 7F F7.

## Transpose

<b>F0</b>	<b>Manu ID</b>	<b>Model ID</b>	<b>0F</b>	<b>Data1</b>	<b>F7</b>
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Data	Description	Range	Default
Data1	Note transpose	00 to 18 (The transpose range is -12 to +12)	0C-No transpose

Eg. Set note transpose to +8: F0 00 20 32 00 01 07 0F 14 F7

## Velocity

<b>F0</b>	<b>Manu ID</b>	<b>Model ID</b>	<b>10</b>	<b>Data1</b>	<b>Data2</b>	<b>Data3</b>	<b>F7</b>
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Data	Description	Range	Default
Data1	Note on velocity	00: dynamic velocity 01-7F: is a fixed value of velocity	00
Data2	Note off velocity	00: dynamic velocity 01-7F: is a fixed value of velocity	00
Data3	Velocity curve	00-soft, 01-med, 02-hard	01-med

Eg. Set note on velocity to dynamic, note off velocity to fixed value 64 and set curve to hard: F0 00 20 32 00 01 07 10 00 64 02 F7.

## Output Level Control

If output level controlled by velocity enable, the loudness of each note can be affected by velocity, or it will work with maximum loudness.

<b>F0</b>	<b>Manu ID</b>	<b>Model ID</b>	<b>18</b>	<b>Data1</b>	<b>F7</b>
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Data	Description	Range	Default
Data1	Set loudness enable or disable	00-disable 01-enable	00-disable

Eg. Set output level controlled by velocity enable: F0 00 20 32 00 01 07 18 01 F7.

## Restore Factory Setting

<b>F0</b>	<b>Manu ID</b>	<b>Model ID</b>	<b>7D</b>	<b>F7</b>
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