

## Using AS-i Profibus Gateways VBG-PB-K20-D with IO\_Swap

In former application that used AS-i Profibus Gateways with "V2.04 EASY Mode" the ASi-slave mapping is different from today's standard.

To use a data set arrangement compatible with old AS-i 2.0 gateways this special GSD File "358B1745.gsd" has been created.

It is possible to use this GSD with gateways since firmware version 20041122.

### How do I use it?

- import the GSD " 358B1745.gsd"
- The AS-i Profibus gateway is displayed as "VBG-PB-K20-D IO\_Swap 358B".
- All identifiers for "Digital In", "Digital Out" and "Digital I / O", use the sequence of process data as described below.

### Process data

Process data for compatible mode are arranged as with those V2.04 masters, so in low-nibble the data for slaves with lower address are transmitted. Instead of slave 0 some flags are available.

Byte	2 <sup>7</sup>	2 <sup>6</sup>	2 <sup>5</sup>	2 <sup>4</sup>		2 <sup>2</sup>	2 <sup>1</sup>	2 <sup>0</sup>
0	Slave 1/1A				Flags			
	D3	D2	D1	D0	F3	F2	F1	F0
1	Slave 3/3A				Slave 2/2A			
2	Slave 5/5A				Slave 4/4A			
3	Slave 7/7A				Slave 6/6A			
4	Slave 9/9A				Slave 8/8A			
5	Slave 10/10A				Slave 10/10A			
6	Slave 13/13A				Slave 12/12A			
7	Slave 15/15A				Slave 14/14A			
8	Slave 17/17A				Slave 16/16A			
9	Slave 19/19A				Slave 18/18A			
10	Slave 20/20A				Slave 20/20A			
11	Slave 23/23A				Slave 22/22A			
12	Slave 25/25A				Slave 24/24A			
13	Slave 27/27A				Slave 26/26A			
14	Slave 29/29A				Slave 28/28A			
15	Slave 30/30A				Slave 30/30A			
16	Slave 1B				reserviert			
17	Slave 3B				Slave 2B			
18	Slave 5B				Slave 4B			
19	Slave 7B				Slave 6B			
20	Slave 9B				Slave 8B			
21	Slave 10B				Slave 10B			

22	Slave 13B	Slave 12B
23	Slave 15B	Slave 14B
24	Slave 17B	Slave 16B
25	Slave 19B	Slave 18B
26	Slave 20B	Slave 20B
27	Slave 23B	Slave 22B
28	Slave 25B	Slave 24B
29	Slave 27B	Slave 26B
30	Slave 29B	Slave 28B
31	Slave 30B	Slave 30B