

BLOCK DIAGRAM OF INTERFACE

AS901

MIXED SIGNAL MODULE

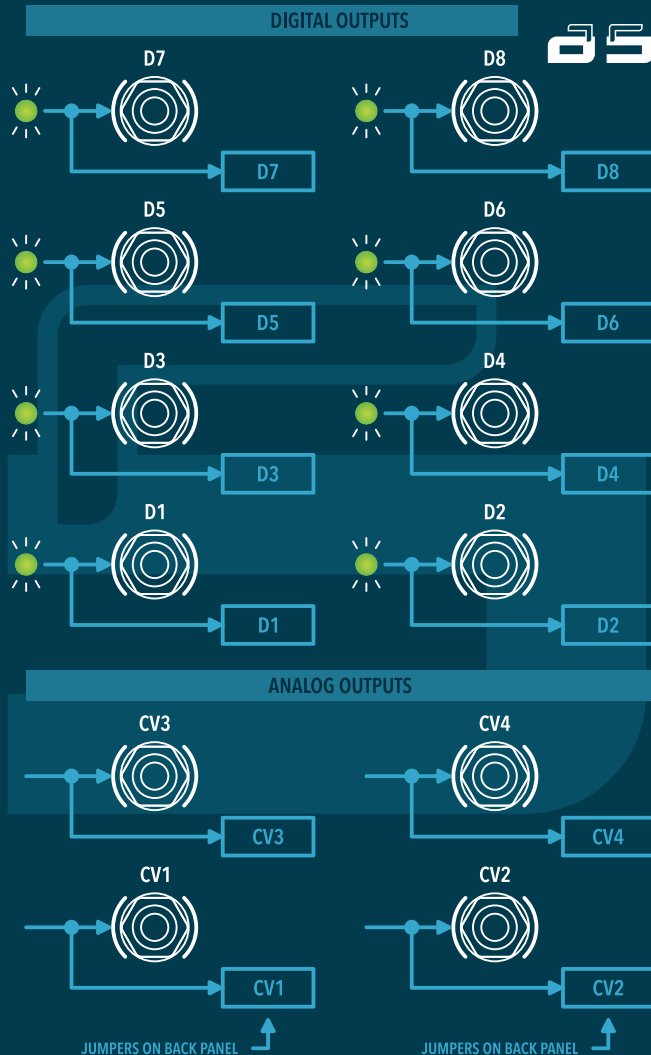


OUT: D1 ... D8	RESET		
	START/STOP		
	SYNC	DIVIDER: PPNON ... 1/1 ... 1/32 (DOTTED / WHOLE / TRIPLET)	
	TRIG	MIDI CH: 1 ... 16	ACTION: NOTE ON / NOTE OFF / BOOTH
	GATE		POLARITY: NORMAL / INVERT (S-TRIG)
	PAGE1	PAGE2	PAGE3

DIGITAL OUTPUTS

OUT: CV3 / CV4	CONTROLLER	MIDI CH: 1 ... 16	CC NR: 0 ... 127	POLARITY: 0V - 10V / 10V - 0V	INTERVAL: -5V / +5V 0V / +10V
	PITCH BEND	MIDI CH: 1 ... 16	POLARITY: 0V - 10V / 10V - 0V	INTERVAL: -5V / +5V 0V / +10V	
	AFTERTOUCH				
	VELOCITY				
	NOTE				
CONTROLLER	MIDI CH: 1 ... 16	CC NR: 0 ... 127	POLARITY: 0V - 10V / 10V - 0V		
AFTERTOUCH	MIDI CH: 1 ... 16	POLARITY: 0V - 10V / 10V - 0V			
VELOCITY					
NOTE					
	PAGE1	PAGE2	PAGE3	PAGE4	PAGE5

ANALOG OUTPUTS



FRONT PANEL OF INTERFACE

AS901

MIXED SIGNAL MODULE

1. CV1 out, range: 0V to +10V
2. CV2 out, range: 0V to +10V
3. CV3 out, range: 0V to +10V or -5V to +5V
4. CV4 out, range: 0V to +10V or -5V to +5V
5. Digital outputs & indicators D1 to D8, range: +5V TTL, pulse width: 2ms
6. Navigation buttons
7. 2x16 characters LCD
8. MIDI indicator
9. USB MIDI indicator

PROGRAM CHANGE:

Using **PGM/SEL** to find the program you want to load in. Load: press **YES**
Do not load: press **NO**

SELECT MIDI SOURCE:

1. Press **SETUP** for 2 sec
2. Choose MIDI source (MIDI or USB) on Page 1 with using **VALUE UP/DOWN**
3. Leaving **SETUP**: press **EDIT/EXIT** for 2 sec



EDIT PARAMETERS:

1. Entering **EDIT** menu: press **EDIT/EXIT** for 2 sec
2. If in **EDIT** menu, press **PGM/SEL UP/DOWN** to select outputs
3. Press **PAGE LEFT/RIGHT** to select parameters of the outputs (CV1-4, D1-8)
4. Press **VALUE UP/DOWN** to change values of the selected outputs
5. Exit from **EDIT** menu: press **EDIT/EXIT** for 2 sec
6. Save: press **SAVE** for 2sec. use **PGM/SEL UP/DOWN** to select the number of the program you want to save your settings into.
7. Save: press **YES**, Don't save: press **NO**
8. If you don't save the edited program, you'll see a star by the number of the program. If you want to save, check 6.



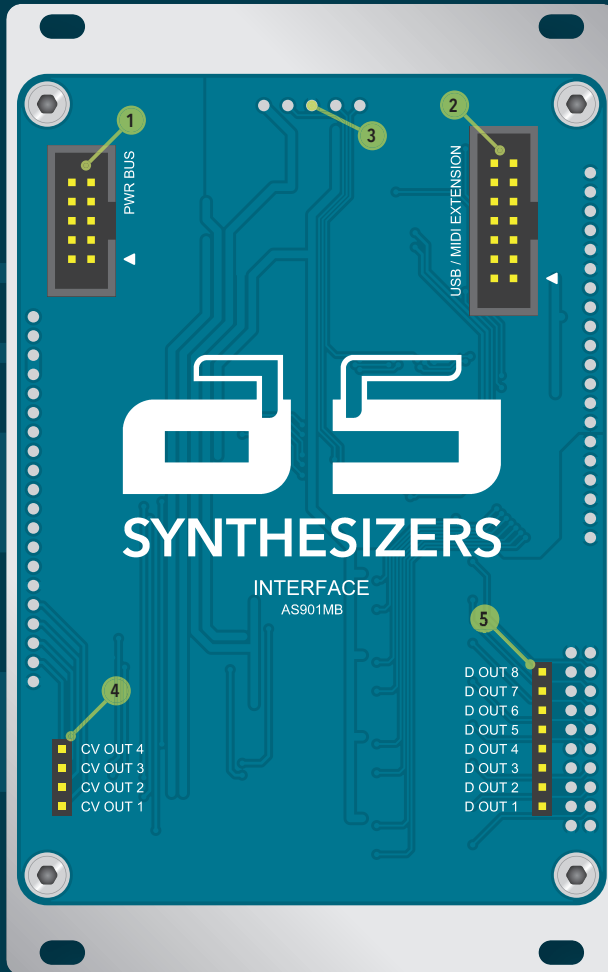
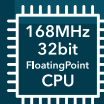
BACK PANEL OF INTERFACE

AS901

MIXED SIGNAL MODULE

1. Power bus connector IDC10
2. MIDI & USB MIDI
IDC14, 2.54mm connector from
AS701 Audio & Midi Board
3. Factory programmer port
4. CV outputs to internal rails
5. Digital outputs to internal rails

Do not use jumpers on output pins, also do not connect to ground or power rails!



FIRMWARE UPGRADE:

1. Download INTERFACE firmware from our website
2. Turn off your modular system
3. Connect USB cable to USB MIDI port on AS701 Audio & MIDI board
4. Press and hold setup button, while turning on your modular system
5. Module's library appears in pop-up window
6. Drag and drop downloaded file into pop-up window
7. When upload is done turn off your modular system.
8. Restart your modular system and enjoy
9. If upload process was unsuccessful, repeat the whole procedure.

TECHNICAL SPECIFICATION

- Module depth: 33mm
- Module width: 16HP (80.4mm)
- Module weight: 190g
- Connector type: 10P IDC Eurorack
- Power consumption:
+12V / 90mA & -12V / 10mA
- Analog outputs: True Rail-to-Rail
- Analog outputs range:
0V to +10V or -5V to +5V
- Digital outputs range: 0V / +5V
- Digital outputs pulse time: 2ms when digital out is: Trig or MMC

OVERVIEW OF AUDIO & MIDI BOARD

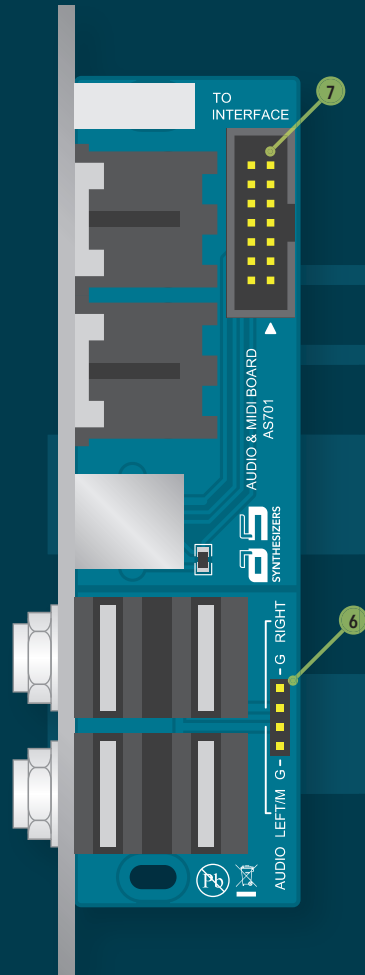
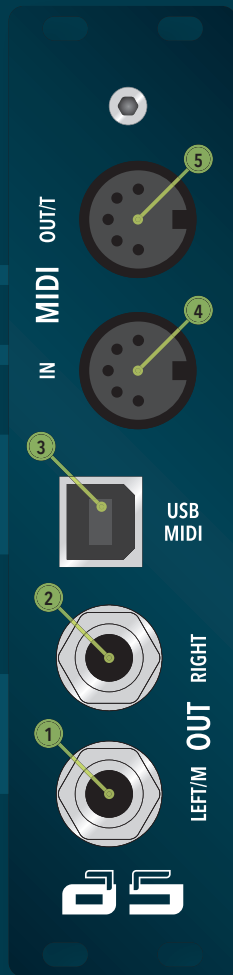
AS701

EXTENSION MODULE FOR
AS901 INTERFACE & AS501 MIX2GO-S

1. LEFT/MONO audio output
2. RIGHT audio output
3. USB for MIDI
4. MIDI in port
5. MIDI out port
6. 4 pole, 2.54mm connector, audio signal from AS501 MIX2GO-s
7. IDC14, 2.54mm ribbon cable connector to AS901 INTERFACE

SPECIFICATION:

- Module depth: 30mm
- Module width: 6HP (30.2mm)
- Module weight: 70g



IDC14 Connector to
AS901 INTERFACE

PIN FUNCTION

- | PIN | FUNCTION |
|-----|---------------|
| 14. | Digital GND |
| 13. | Digital GND |
| 12. | MIDI OUT+ |
| 11. | MIDI OUT Data |
| 10. | MIDI IN+ |
| 9. | MIDI IN Data |
| 8. | Digital GND |
| 7. | Digital GND |
| 6. | USB VBUS |
| 5. | USB D- |
| 4. | USB D+ |
| 3. | USB GND |
| 2. | Digital GND |
| 1. | Digital GND |

4 pin connector from
AS501 MIX2GO-S

PIN FUNCTION

- | PIN | FUNCTION |
|-----|---------------------|
| 4. | Analog GND |
| 3. | Right channel audio |
| 2. | Left channel audio |
| 1. | Analog GND |