

# Symphony 7” User manual

draft

v1.00



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## About device

Symphony 7" is android device with capacitive touch screen made for use in POS retail systems with user software.

<b>CPU</b>	<b>AML8726-MX Maximum Frequency 1.5GHZ</b>
<b>RAM memory</b>	<b>1GB DDR3</b>
<b>Flash memory</b>	<b>4GB NANDFLASH</b>
<b>Network</b>	<b>Wireless WIFI i RJ45 LAN connector</b>
<b>Operating system</b>	<b>Android 4.2.2</b>
<b>Display</b>	<b>7" multiple touch capacitive touch screen</b>
<b>Micro SD</b>	<b>Micro SD card up to 32 GB</b>
<b>USB 2.0 port</b>	<b>2x USB2.0 host</b>
<b>COM port - RS232</b>	<b>2xCOM port over mini USB connectors (Rx, TX, GND lines)</b>
<b>Battery</b>	<b>Integrated Li-Ion battery</b>
<b>Power supply</b>	<b>9-12V DC power supply</b>

*Table 1. Characteristics of Symphony 7" device*

## 1. Turn on/off/sleep mode

### Turn on/off

To turn on device Symphony 7" it is necessary to press and hold button >1s on the right side of device.

To turn off device Symphony 7" it is necessary to press and hold same button more than 2s, after that on display select "OK" and device will be turned off.

### Sleep mode

Device enters "sleep mode" when same button is pressed and hold shortly, like on android mobile phones. If device is in "sleep mode" to enter normal working mode press and hold same button.



Figure 1. On/Off/sleep button location

### NOTE:

If device won't turn on, there is a possibility that internal battery is empty. Please connect AC/DC power adapter and wait for few minutes, and that try to turn it on (press and hold on/off button).

## 2. Interfaces

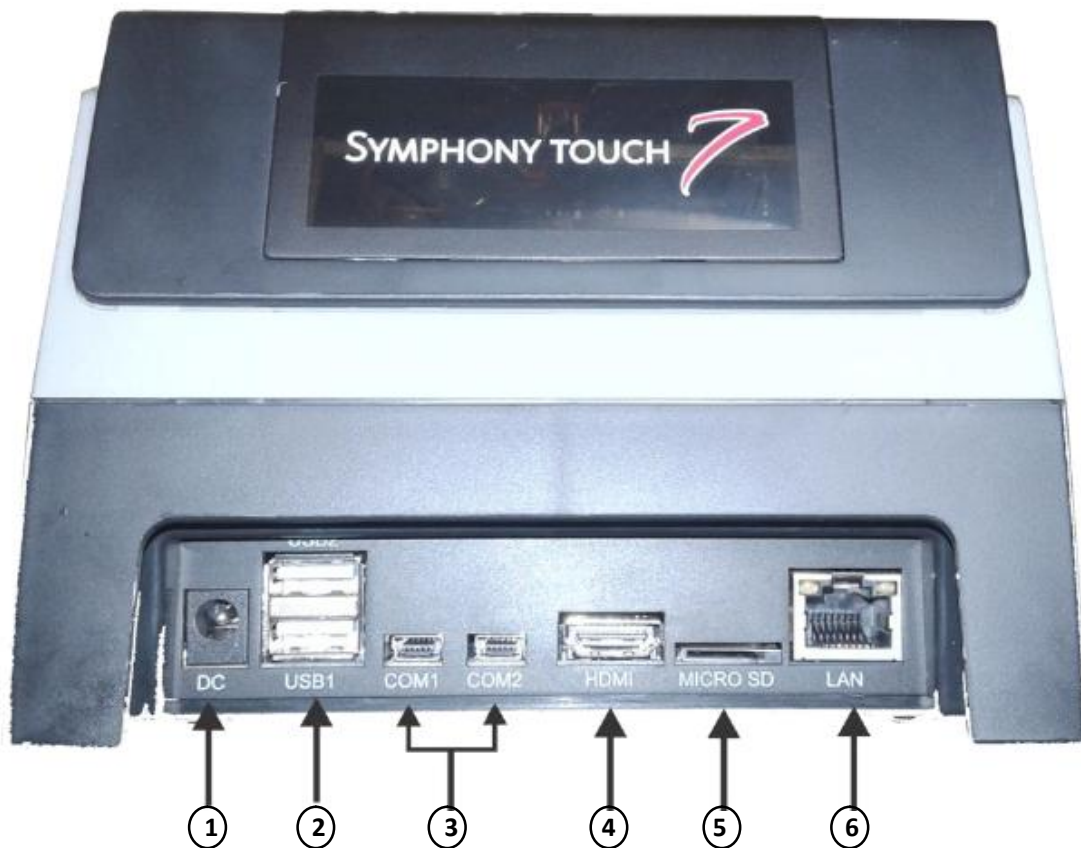


Figure 2. Symphony 7" interface location

No	Connector type	Description
1	Power supply connector	DC plug for power supply (9-12VDC)
2	USB1, USB2	USB2.0 host
3	COM1, COM2	RS232 communication interface
4	HDMI	HDMI connector for external monitor
5	MicroSD	Connector for microSD memory card
6	LAN	RJ45 LAN connector

Table 2. Inteface description

### 3. RS232 COM ports pin-out

Symphony 7" RS232 port has mini USB type connector.



Figure 3. COM1 and COM2 connectors pin-out

COM1 is ***“devtty1”*** in android device manager.

No	COM1	Description
1	NC	Not connected
2	Rx1	Input – Receive
3	Tx1	Output - Transmit
4	NC	Not connected
5	GND	Signal ground

Table 3. COM1 pin description

COM2 is ***“devtty2”*** in android device manager.

No	COM2	Description
1	NC	Not connected
2	Rx2	Input – Receive
3	Tx2	Output - Transmit
4	NC	Not connected
5	GND	Signal ground

Table 4. COM2 pin description

#### 4. Example of RS232 adapter cable pin-out mini USB to RJ45

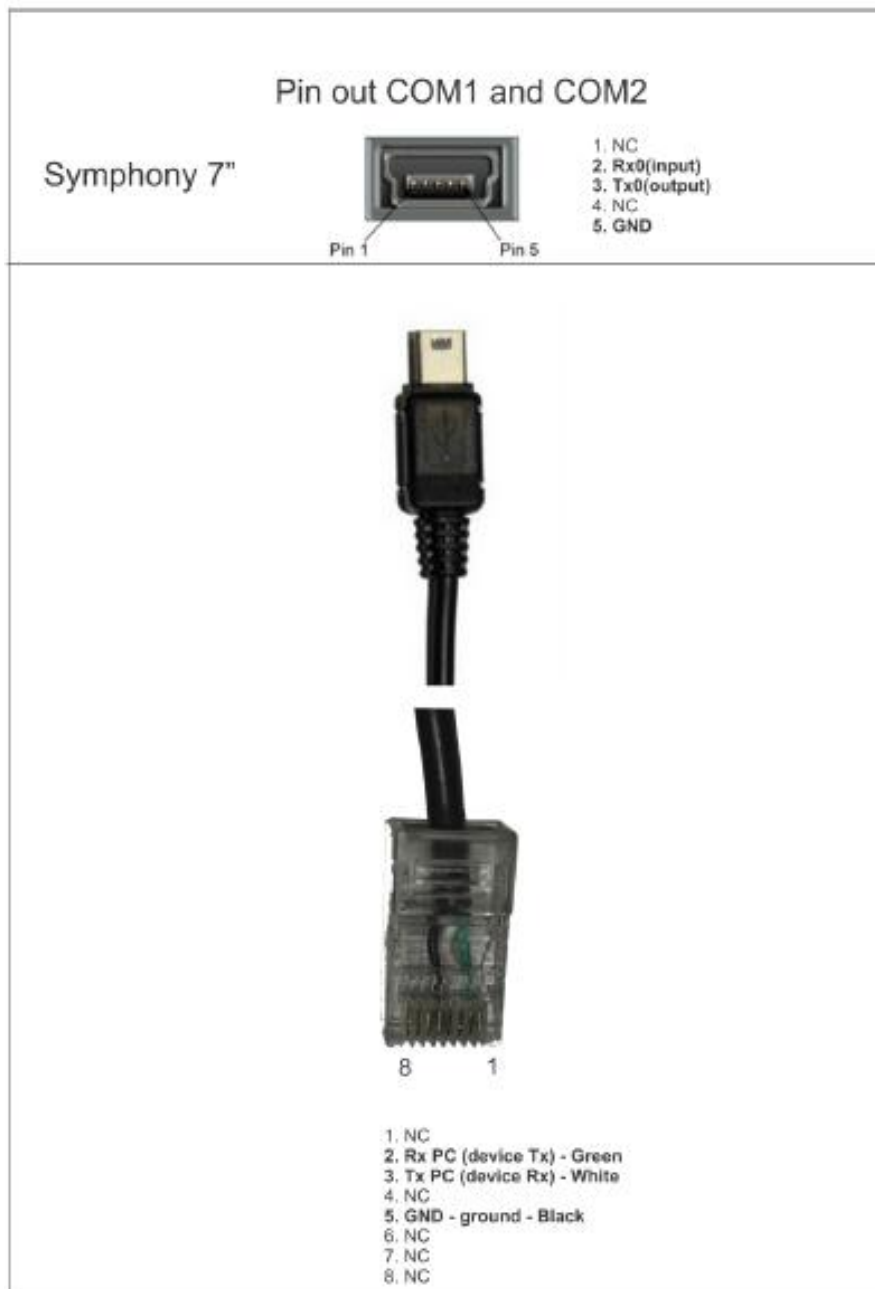


Figure 4. RS232 adapter cable example

**NOTE:**

This cable can be used to connect Symphony 7" with appropriate software application to fiscal printer. Pin-out of RJ45 or other type of connector depends on the device that you are connecting.