

User Instruction Manual

Package Contents of MP4179 Micropace HDMI Scaler Kit

Part Number	Part Name/description	Qty
MP4180	Cypress CP-302MN HDMI Scaler Box with QR code to detailed IFU	1
MP4181	GSM18B05-P1J Medical 5V 15W PSU	1
MP4182	IEC C7 to Europe Plug Power Cable 2m	1
MP4183	IEC C7 to UK Plug Power Cable 2m	1
MC1564	Fiber Optic HDMI Cable 2M	1
MC1565	Fiber Optic HDMI Cable 5M	1
MP0386	White Packing Box 308 x 226 x109mm	1

Description/Intended Use

The Micropace HDMI Scaler Kit MP4179 is a non-medical device intended to be used to scale the HDMI video output from the Micropace OneStim Cardiac Stimulator Recorder to third-party display monitors with incompatible resolution. The intended connection between devices is shown in Diagram below; for further detail, use of the Scaler 'Cypress brand CP-302MN HDMI Scaler IFU' linked in the specifications section of this document and contained within the packaging.

This Scaler Kit is a reusable, non-sterile, and latex-free non-medical device. The device does not isolate or otherwise ensure electrical safety of connected 3rd party displays, which must be compliant with and tested to applicable medical safety standards.

Intended Users and Environment

The HDMI Scaler Kit is intended for use with the OneStim Cardiac Stimulator in hospitals or other controlled clinical environments after appropriate electrical safety testing by hospital biomedical engineers.

Warnings

The HDMI Scaler Kit is supplied and intended only for use with the OneStim Cardiac Stimulator.

Refer to and follow these instructions for use and those of connected 3rd party devices to reduce the risk electrical shock, injury to persons and fire.

Use only the supplied medical-grade power supply unit (PSU) and connect Scaler only to equipment or device systems compliant with IEC 60601-1 and IEC 60601-1-2. Do not touch equipment and the patient at the same time to avoid micro-shock.

Inspect all kit components prior to use and do not use if visibly damaged with kinks, cuts to insulation, exposed inner cables or wires or if packaging is damaged. Damaged items should be returned to Micropace.

Protect Scaler from overheating; do not block any vents or openings in its housing that provide ventilation and do not insert objects into it. Allow space for air to circulate around the unit.

Do not modify any of the kit components. Modifications may reduce effectiveness or compromise safety.

Protect Kit components from liquid spill, rain or moisture sources.

Install power and HDMI cabling such that it is protected from damage by falling weights or trolley wheels running over it and so it does not pose a trip hazard to persons.

In order to avoid risk of infection, keep scaler out of Patient Area, protect from biological contamination and do not use any kit components which appear soiled, contaminated or are indicated not to have been cleaned between uses.

Any serious incident that occurs in relation to this device should be reported to Micropace and to the relevant local regulatory authority.

The Scaler is not DICOM compliant as this is unnecessary for OneStim operation.

Permissible Cleaning Instructions

The Scaler may be cleaned using a lightly dampened cloth in a mild, non-abrasive soap or detergent and/or isopropyl alcohol (IPA).

Do not sterilize, immerse in liquids or use strong solvents such as acetone.

Service, Serviceable Life and Disposal

The Scaler has no user serviceable parts.

Further technical and service support information is available by request at www.micropaceep.com

Warranty and Disclaimer

Failure by user to observe the above 'Warnings' voids all damage claims against Micropace and Micropace's liability.

Use of The Scaler is governed by the Micropace warranty, disclaimer of Warranty and limitation of liability, which may limit your legal rights.

Refer to <https://micropaceep.com/warranty-statement/>

Explanation of Symbols

For any international symbols on packaging, refer to:

www.micropaceep.com/customer-support/symbols-glossary

Kit Assembler

Micropace Pty Ltd.

41/159 Arthur Street, Homebush West, NSW 2140, Australia

IFU details



Micropace HDMI Scaler User Instruction Manual

V2.0 Dated: 14 October 2025

All images are for reference only.



elFU are available upon request in addition to the hardcopy supplied

<https://micropaceep.com/customer-support/download/>

Cypress CP-302MN HDMI Scaler IFU

<https://sh.proav.space/PQk0b>

Specifications

HDMI to HDMI Scaler Box	Cypress CP-302MN HDMI Scaler Part#: CP-302MN
Cyprus brand Scaler IFU	https://sh.proav.space/PQk0b
Power Supply	Medical grade, GSM18B05-P1J, 5V 15W, IEC 60601-1 certified medical grade PSU
Power Consumption	2.4 W
Accessories	Regional AC power leads (IEC C7 plug types, region-specific wall plugs), HDMI interconnect cables
Max HDMI resolution	1920x1200@60RB
Connector	HDMI 1.3, HDCP 1.4 and DVI 1.0 compliant
Input resolutions	480i to 1080p (HDTV)
Adjustments	Contrast, brightness, hue and saturation
Maximum Pixel Rate	165 MHz (output) / 225MHz (input)
Input Ports	1xHDMI 1xMini USB (Service only)
Output Ports	1xHDMI
HDMI Cable In	10 m/1080p@12-bit
HDMI Cable Out	10 m/1080p@8-bit
ESD Protection	Human body model: ±8 kV (Air-gap discharge) ±6 kV (Contact discharge)
Scaler Dimensions	98(L)x51(W)x22.5(H)mm jack included 85(L)x50(W)x22.5(H)mm jack exclude
Scaler Weight	75 g
Operating Temperature	0°C~40°C/32°F~104°F
Storage Temperature	-20°C~60°C/-4°F~140°F
Relative Humidity	20~90% RH (non-condensing)
Colour Space Support	RGB, YCbCr 444@ 8,10 and 12 bit and RGB can be color space converted to YCbCr for input and output RGB@8bit
Sterilization	Supplied non-sterile, not sterilizable
MRI Compatibility	Incompatible (Contains ferrous metals)
Compatible Monitor Resolutions	480p 576p 720p50 720p59 720p60 1080p23 1080p24 1080p25 1080p29 1080p30 1080p32 1080i50 1080p50 1080i59 1080i60 1080p59 1080p60 640x480 800x600 1024x768 1280x800 1280x1024 1360x768 1366x768 1400x1050 1440x900 1600x900 1600x1200 1680x1050 1920x1200

Quick Start Guide

For detailed instructions on the Cypress CP-302MN HDMI Scaler IFU please refer to (<https://sh.proav.space/PQk0b>). The instructions below are supplemental to the Cypress CP-302MN HDMI Scaler IFU but do not replace them.

For reference, OneStim's native resolution is 1280x800 @ 67Hz.

Before you start; consult the manual of the monitor you are connecting to, obtain the monitors recommended resolution value (eg: 1280x1024, 1680x1050,).

To find the monitors recommended resolution (on Windows), right-click the desktop, select "**Display settings**," and look for "**Display Resolution**" and obtain the "**(Recommended)**" display resolution, this will be the resolution needed for the HDMI scaler's output. If that resolution is not listed in the Scaler box's menu it will not operate (refer to "*Specifications*" table above):

1. Unbox all components and connect as shown in the diagram below (note the cables connection orientation).
2. Press the Menu button on the side of HDMI scaler box.
3. Press the plus "+" or minus "-" button to navigate the menu to "**Output Resolution**" and press "**ENTER**" to select it.
4. Use these buttons to navigate to your monitors recommended screen resolution and press "**ENTER**" to select it.
5. OneStim's screen output should now appear duplicated on your monitor.

Trouble Shooting:

1. Check your monitor's connections, ensure your monitor is powered ON.
2. Disconnect all HDMI cables and power cables from **HDMI Scaler Box** (LED(s) should not be lit).
3. Press "**ENTER**" and **hold**, then plug back in power supply cable to reset the scaler.
4. Reconnect all cables to the **HDMI Scaler Box** as shown in the adjacent diagram and repeat "**Quick Start Guide**" steps above.

Note: Further technical and service support information is available by request at www.micropaceep.com

Example Connection

