

Cynap Pure Mirroring Modes

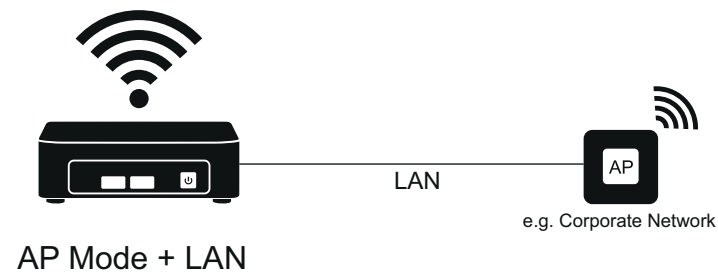
WolfVision
recommended
Miracast and
other possible
Miracast modes



Further
information
about MS-MICE
on last page

Cynap Pure: Mirroring modes

>> Mode: Access Point of Pure is active + Cynap Pure is connected with LAN to external AP



Cynap Pure settings

Network

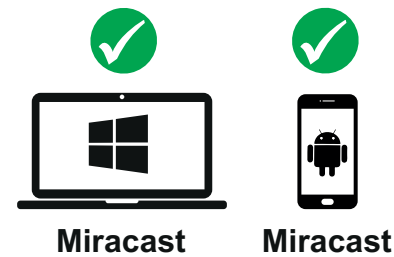
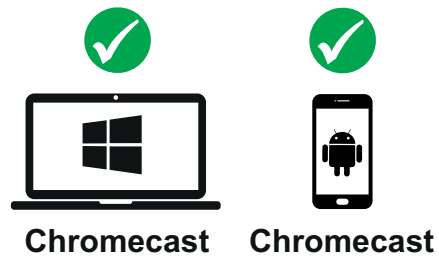
LAN: Connected
WLAN (WiFi): Access Point

Mirror

MS-MICE enable: Off
MS-MICE interface: ---

Restrictions / Information

>> Mirroring via Miracast does not work if user device is connected with AP (Access Point) of Cynap Pure



RECOMMENDED

Cynap Pure: Mirroring modes

>> Mode: Access Point (AP) of Pure is active



AP Mode

Cynap Pure settings

Network

LAN: Not Connected
WLAN (WiFi): Access Point

Mirror

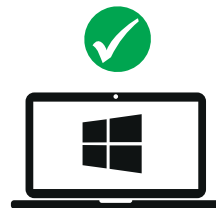
MS-MICE enable: Off
MS-MICE interface: ---

Restrictions / Information

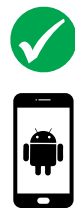
>> Mirroring via Miracast does not work if Windows/Android user device is connected with AP (Access Point) of Cynap Pure



AirPlay



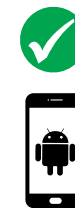
Chromecast



Chromecast



Miracast

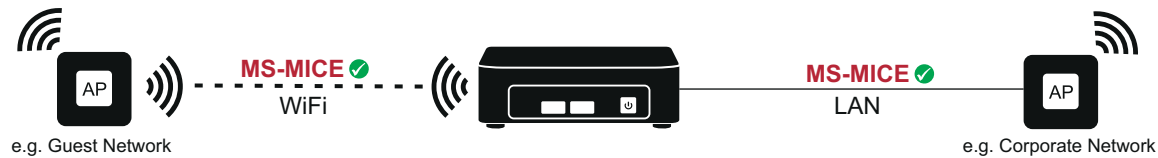


Miracast

RECOMMENDED

Cynap Pure: Mirroring modes

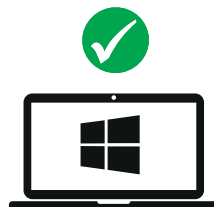
>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is active & Cynap Pure is connected via LAN to external AP, MS-MICE is active



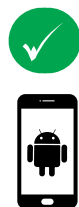
Infrastructure Mode & LAN
MS-MICE active on WiFi & LAN



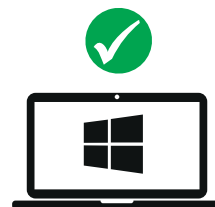
AirPlay



Chromecast



Chromecast



Miracast



Miracast

Cynap Pure settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure

Mirror

MS-MICE enable: On
MS-MICE interface: All

Restrictions / Information

>> Miracast mirroring does not work for Android and Windows 8.1 devices because MS-MICE is not supported

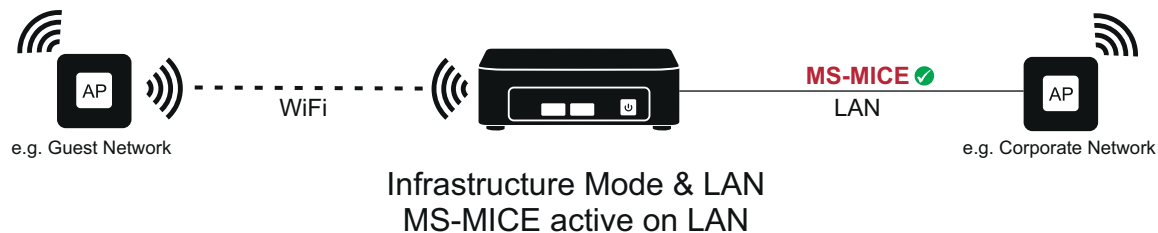
>> Miracast mirroring works for Windows (Win10) devices which are connected to WiFi or LAN AP

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring as well

RECOMMENDED

Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is NOT active & Cynap Pure is connected via LAN to external AP, MS-MICE is active



Cynap Pure settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure

Mirror

MS-MICE enable: On
MS-MICE interface: LAN

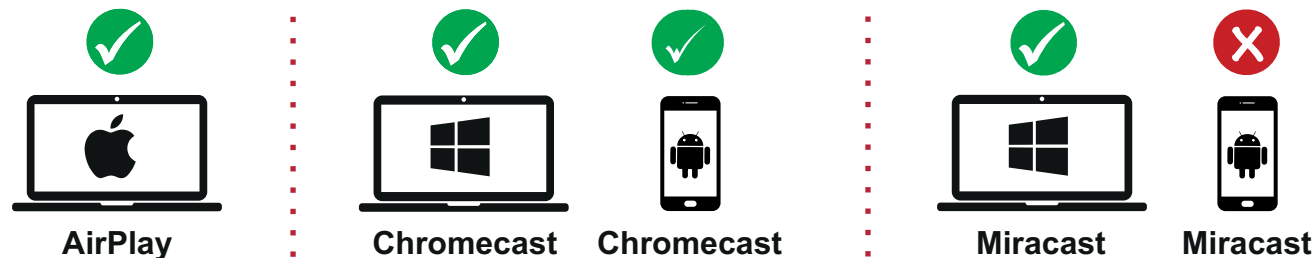
Restrictions / Information

>> Miracast mirroring does not work for Android and Windows 8.1 devices because MS-MICE is not supported

>> Miracast mirroring works for Windows (Win10) devices which are connected to LAN AP

>> Miracast mirroring does not work for Windows devices which are connected to WiFi AP

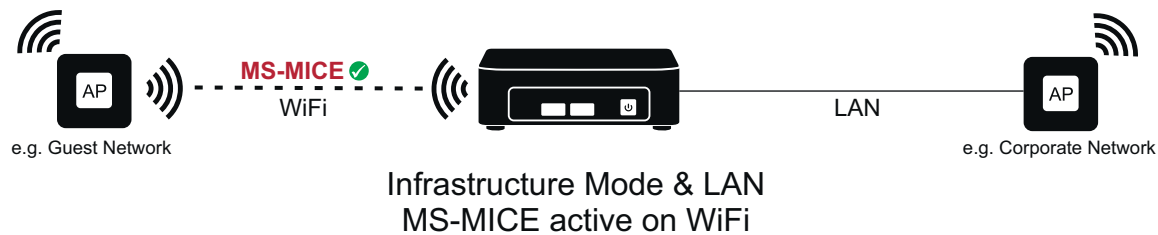
>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring



RECOMMENDED

Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is active & Cynap Pure is connected via LAN to external AP, MS-MICE is NOT active



Cynap Pure settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure

Mirror

MS-MICE enable: On
MS-MICE interface: WLAN

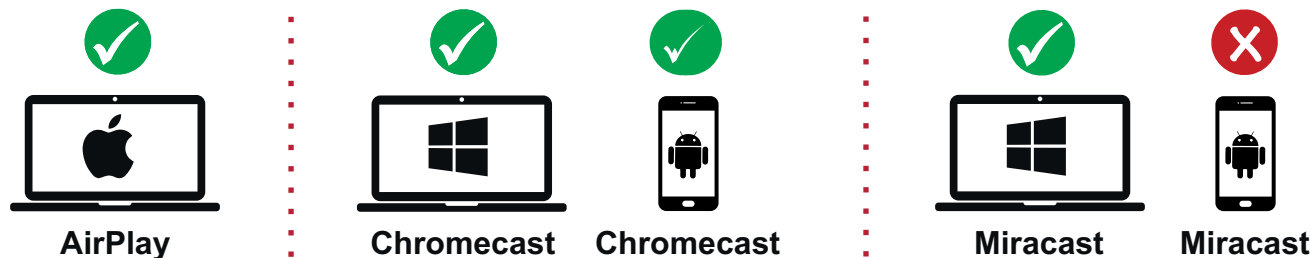
Restrictions / Information

>> Miracast mirroring does not work for Android and Windows 8.1 devices because MS-MICE is not supported

>> Miracast mirroring works for Windows (Win10) devices which are connected to WiFi AP

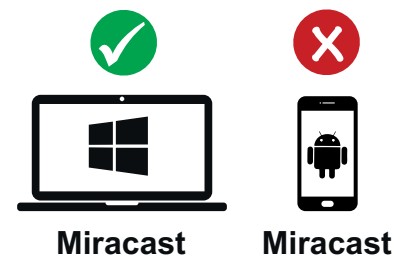
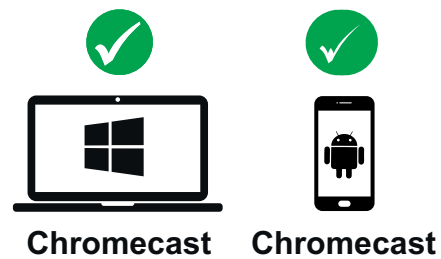
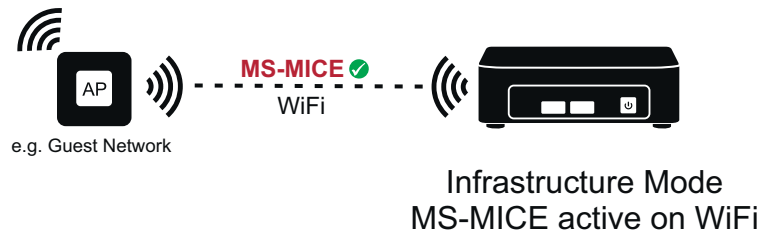
>> Miracast mirroring does not work for Windows devices which are connected to LAN AP

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring



Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is active



Cynap Pure settings

Network

LAN: Not connected
WLAN (WiFi): Infrastructure

Mirror

MS-MICE enable: On
MS-MICE interface: WLAN

Restrictions / Information

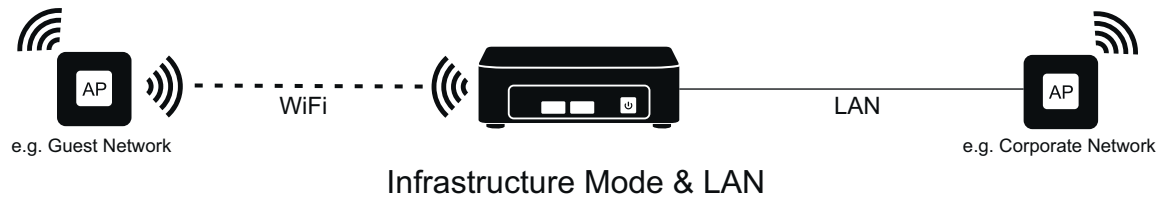
>> Miracast mirroring does not work for Android and Windows 8 devices

>> Miracast mirroring works for Windows (Win10) devices which are connected to WiFi AP

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring as well

Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode"), & Cynap Pure is connected via LAN to external AP



Cynap Pure settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure

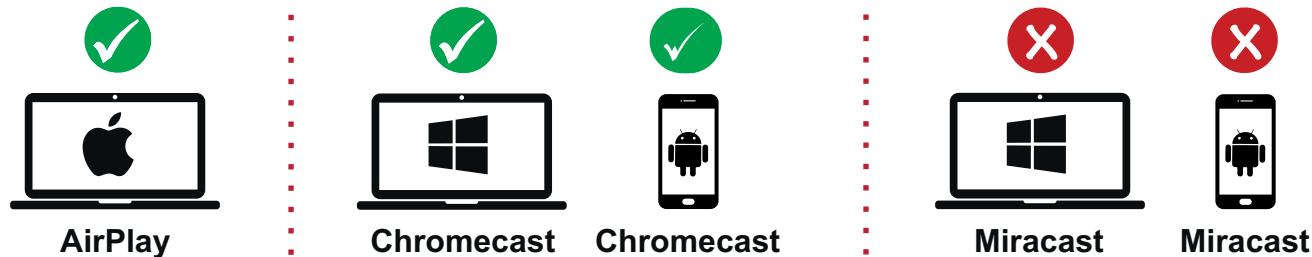
Mirror

MS-MICE enable: Off
MS-MICE interface: ---

Restrictions / Information

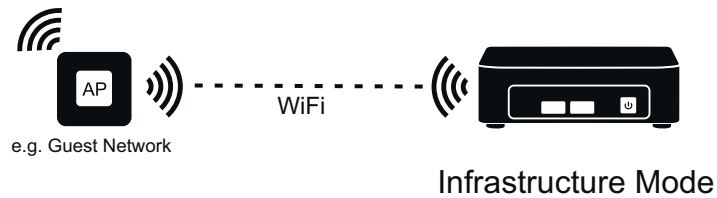
>> Miracast mirroring does not work for Android and Windows devices

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring as well



Cynap Pure: Mirroring modes

>> Mode: Cynap Pure is connected via WiFi to external AP ("Infrastructure Mode")



Cynap Pure settings

Network

LAN: Not connected
WLAN (WiFi): Infrastructure

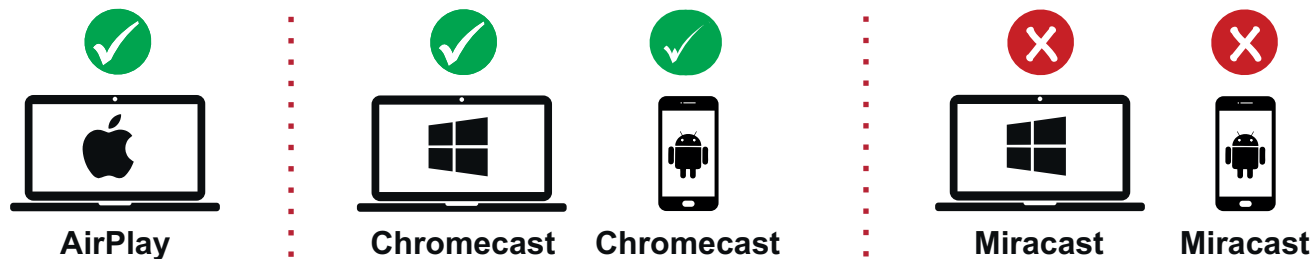
Mirror

MS-MICE enable: Off
MS-MICE interface: ---

Restrictions / Information

>> Miracast Mirroring does not work

>> Windows devices (Win 7 or higher) can use WolfVision vSolution Cast app for mirroring



MS-MICE Mirroring

General MS-MICE information:

- Windows 10 (v1703) or later is supported
- PIN protection is not supported with MS-MICE. If Miracast PIN protection is active in the Cynap settings, MS-MICE can't be turned on.

Cynap settings: Active MS-MICE "All":

If MS-MICE "ALL" mode is enabled, the UDP port 5353 is using multicast DNS (mDNS) for a Miracast connection over an existing network.

mDNS is broadcast to the local subnet of each network interface the Cynap Pure is connected to. If mDNS is blocked in the network, the Miracast connection fails. In this case a workaround is to create a DNS entry at the existing DNS server to the Cynap Pure hostname.

Cynap Pure sends a beacon via the integrated AP with information about which Miracast settings have been made.

Network requirements:

- UDP Port 5353: Multicast DNS (mDNS) – If mDNS is blocked: a workaround is to make a DNS entry at the existing DNS server
- DP Port 67, 68: DHCP communication between device and receiver
- UDP Port 19000 – 19007: RTP media traffic port for delivering audio and video
- TCP Port 7236: MS-MICE RTSP control port is used to establish and manage session
- TCP Port 7250: MS-MICE control port on which Cynap family systems listen for Miracast packets when Over Existing Network mode is enabled

Miracast MS-MICE Interface settings:

- All – Beacon information – mDNS / DNS
- LAN – Beacon information – only the IP from the LAN interface
- WLAN – Beacon information – only the IP from WLAN