

Cynap Pure (Pro) Mirroring Modes

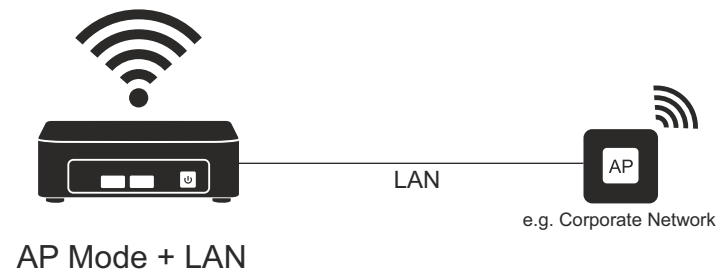
WolfVision
recommended
Miracast and
other possible
Miracast modes



Further
information
about MS-MICE
on last page

Cynap Pure (Pro): Mirroring modes

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



Cynap Pure (Pro) settings

Network

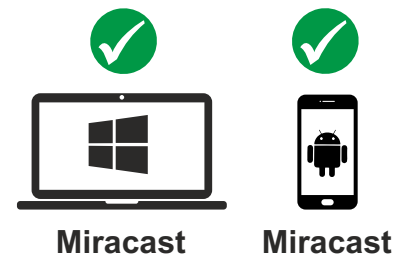
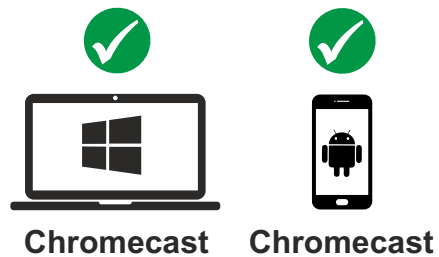
LAN: Connected
WLAN (WiFi): Access Point Mode

Mirror

MS-MICE enable: Off

Restrictions / Information

>> Mirroring via Miracast does not work if user device is connected to the SSID of Cynap Pure (Pro)



RECOMMENDED

Cynap Pure (Pro): Mirroring modes

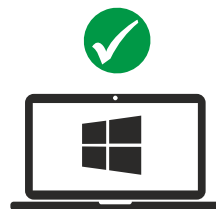
>> Mode: Access Point (AP) of Pure (Pro) is active



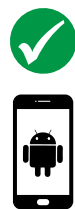
AP Mode



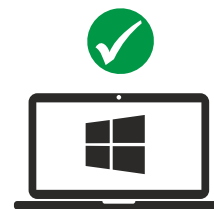
AirPlay



Chromecast



Chromecast



Miracast



Miracast

Cynap Pure (Pro) settings

Network

LAN: Not Connected
WLAN (WiFi): Access Point Mode

Mirror

MS-MICE enable: Off

Restrictions / Information

>> Mirroring via Miracast does not work if Windows/Android user device is connected to the SSID of Cynap Pure (Pro)

RECOMMENDED

Cynap Pure (Pro): Mirroring modes

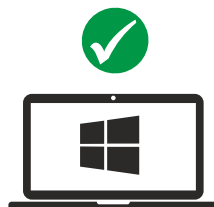
>> Mode: Cynap Pure (Pro) is connected via WiFi to external AP ("Infrastructure Mode"), MS-MICE is active & Cynap Pure (Pro) is connected via LAN to external AP, MS-MICE is active



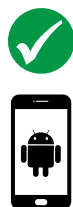
Infrastructure Mode & LAN
MS-MICE active on WiFi & LAN



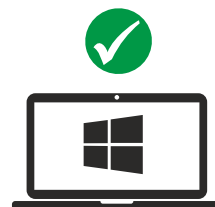
AirPlay



Chromecast



Chromecast



Miracast



Miracast

Cynap Pure (Pro) settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure Mode

Mirror

MS-MICE enable: On

Restrictions / Information

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

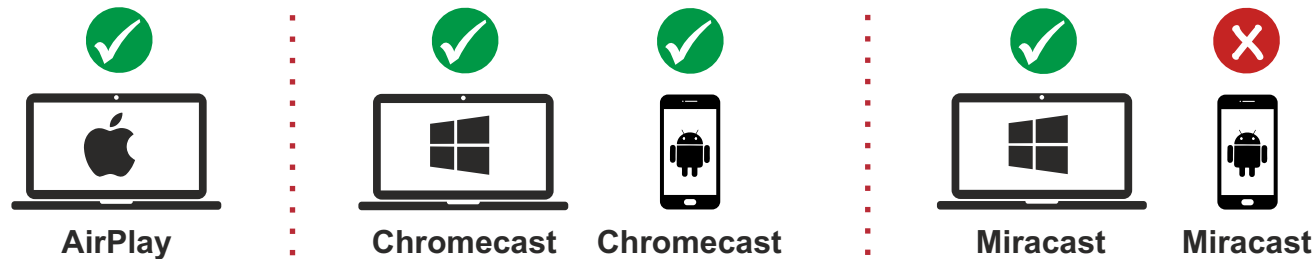
>> Miracast mirroring works for Windows (Win10) devices which are connected to WiFi or LAN AP

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

RECOMMENDED

Cynap Pure (Pro): Mirroring modes

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



Cynap Pure (Pro) settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure Mode

Mirror

MS-MICE enable: On

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

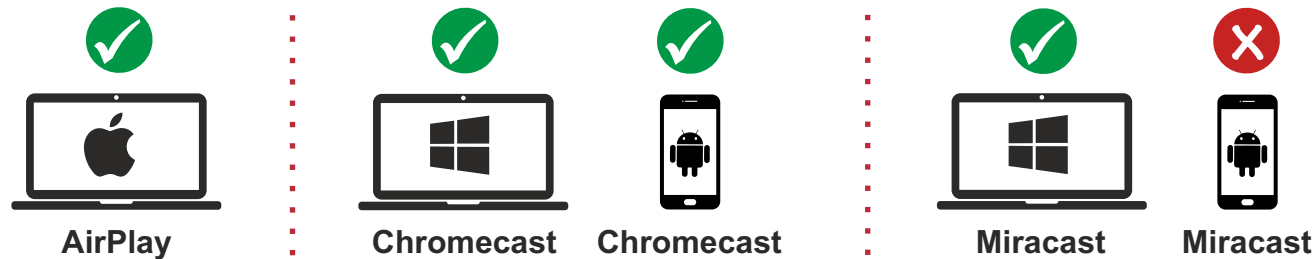
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RECOMMENDED

Cynap Pure (Pro): Mirroring modes

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



Cynap Pure (Pro) settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure Mode

Mirror

MS-MICE enable: On

Restrictions / Information

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

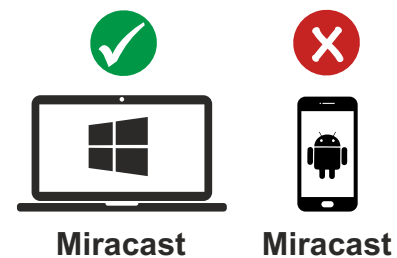
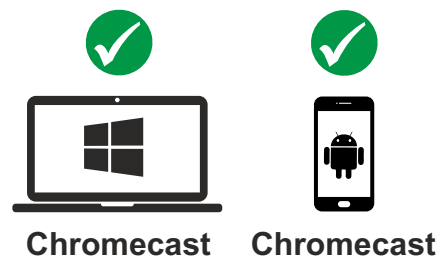
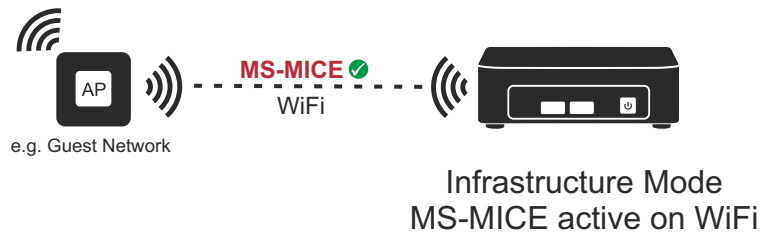
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Cynap Pure (Pro): Mirroring modes

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



Cynap Pure (Pro) settings

Network

LAN: Not connected
WLAN (WiFi): Infrastructure Mode

Mirror

MS-MICE enable: On

Restrictions / Information

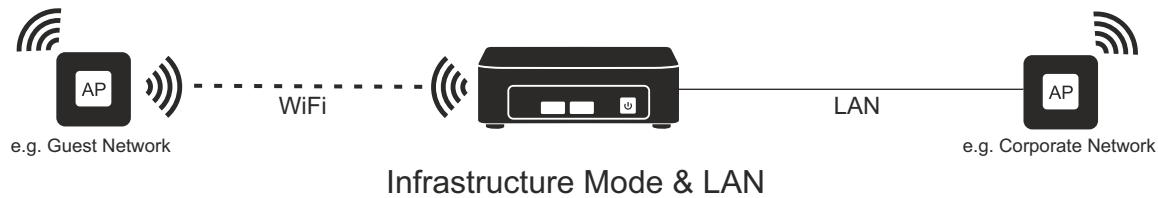
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>> Miracast mirroring works for Windows (Win10) devices which are connected to WiFi AP

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

Cynap Pure (Pro): Mirroring modes

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



Cynap Pure (Pro) settings

Network

LAN: Connected
WLAN (WiFi): Infrastructure Mode

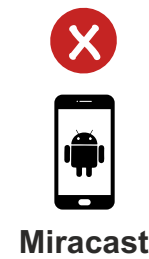
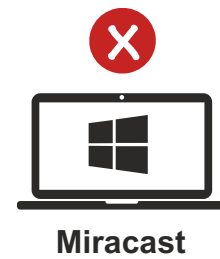
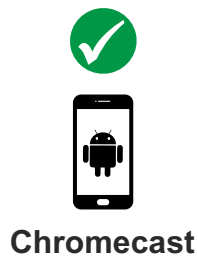
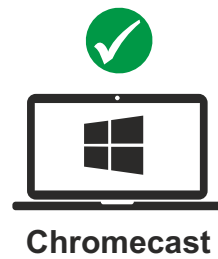
Mirror

MS-MICE enable: Off

Restrictions / Information

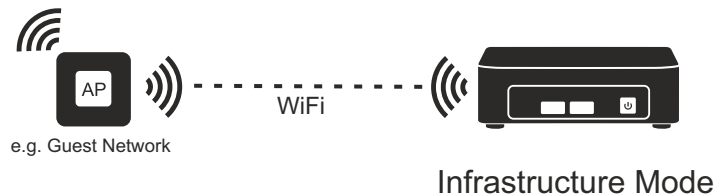
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Cynap Pure (Pro): Mirroring modes

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



Cynap Pure (Pro) settings

Network

LAN: Not connected
WLAN (WiFi): Infrastructure Mode

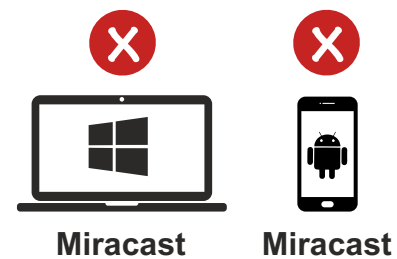
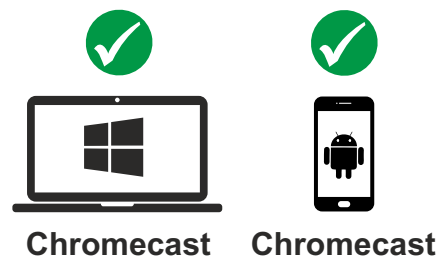
Mirror

MS-MICE enable: Off

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 supported with Windows 10 (v1809) or later.

Cynap settings: Active MS-MICE:

If MS-MICE 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 |
| • UDP Port 67, 68: | DHCP communication between device and receiver |
| • UDP Port 19000-19007, 19010-19017: | 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 |
| • TCP Port 50000: | Touchback |
| • UDP Port 19020-19027, 19030-19037: | Latency of the mouse cursor is improved when using touchback |