



## Security advice:

- Do not use any components if looking damaged!
- Do not use any other cables than supplied with the system!
- Do not look directly into the camera from short distance (<30cm) for a longer period of time (>30sec)!

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## Included in delivery

- per ARTTRACK2/3 camera:
  - I power cord and power supply
  - 1 ethernet cable
  - 1 BNC cable
  - 1 BNC T-junction and terminating resistor(s) (max. 3)
  - 1 ceiling suspension D2
- ✓ 1 ARTTRACK Controller
- 1 DTrack2 frontend software
- 1 room calibration set
- 2 standard bodies/targets

## Important note:

The tracking system is very sensitive to camera movements. Therefore, the cameras have to be mounted in a way that reduces camera movements (especially vibrations). A camera rotation of just 0.1° will make camera data worthless for tracking in most cases.

Mount the cameras at the desired position before connecting the cables! Feel free to contact ART in case you want to realize a more complex installation. We will assist you in your planning. Connect the ARTTRACK2/3 cameras with the ARTTRACK Controller (ATC) using the BNC and the RJ45 cables.



## Synchronization:

Default setting is internal synchronization. Some applications (e.g. active stereo projection) require external synchronization. Use the "Ext.In" BNC plug as external synchronization input. In DTrack2, select "Settings"  $\rightarrow$  "Synccard". You can select the type of synchronization which fits to your application out of "supported synccard modes".

If you want to avoid mutual blinding of cameras, you may use different sync groups.

Please refer to the user manual for more details.

> WARNING: All cables have to be connected <u>before</u> powering up the system! The ATC will be switched on when the power plug is connected and the power switch is pressed!

The ATC is controlled by a remote PC via DTrack2 frontend software (for software installation guide please refer to user manual). When delivered, the ATC is set up to support DHCP. Connect ethernet (E) and power plug (P).



Press the switch on the front side of the ATC to start it. If the ATC is booting without connected ethernet cable or if a DHCP server is not available, it will use its standard IP address (192.168.0.1) and subnet mask (255.255.255.0).

It is possible to configure the IP address of the ATC without the DTrack2 Frontend. You only need a standard USB flash drive (FAT32 formatted) on which you save a setup file (for the format please refer to the user manual) and plug it into the ATC.

Start DTrack2 on the remote PC.

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You can either address your ATC directly (via hostname or IP address) or scan the network in order to find your ATC. You can identify your ATC by the serial number which is printed on the label.

Select the appropriate ATC and press "Connect".

ARTtrack Controller Selection					<u>?</u> ×
C Specific ARTtrack Controller					
hostname or IP address					
G  Scan    subnet IP address (e.g. "10.10.255.255")					
Name 🛆	Serial	Access	Version	IP	
atc-demo-04	00029	full	v0.2.9	10.10.0.168	
atc-demo-05	00036	full	v0.2.9	10.10.0.120	
atc-ea-06	00006	full	v2.0.0rc7	10.10.0.185	
atc-ea-quad	00016	full	v0.2.9	10.10.0.197	
Update list				Connect Can	

