

**ACT AC7406**

# ACT USB-C 90-Degree Cable 1M User Manual

Model: AC7406

## PRODUCT OVERVIEW

The ACT USB-C 90-Degree Cable (Model AC7406) is designed for connecting USB-C enabled devices, offering both high-speed data transfer and efficient power delivery. This 1-meter cable features one straight USB-C connector and one convenient 90-degree angled USB-C connector, reducing strain and improving usability in tight spaces. It supports USB 3.2 Gen1 for data transfer speeds up to 5Gbps and Power Delivery (PD) up to 60W, making it suitable for charging smartphones, tablets, and even some laptops. Additionally, it supports DisplayPort Alternate Mode for video output.



Image: The ACT USB-C 90-degree cable, showcasing its straight and angled connectors.

## SETUP INSTRUCTIONS

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To set up your ACT USB-C 90-Degree Cable, follow these simple steps:

1. **Identify Ports:** Locate the USB-C ports on your devices (e.g., laptop, smartphone, external monitor, power adapter).
2. **Connect to Device 1:** Insert either the straight or the 90-degree angled USB-C connector into the USB-C port of your primary device (e.g., laptop for data transfer, power adapter for charging). The 90-degree connector is ideal for devices where space is limited or to prevent cable bending.
3. **Connect to Device 2:** Insert the other end of the cable into the USB-C port of the secondary device (e.g., external hard drive, smartphone, monitor).
4. **Verify Connection:** Ensure both connectors are fully inserted into their respective ports. The connection is reversible, so there is no "wrong" way to plug in a USB-C connector.



Image: The ACT USB-C cable connected to a laptop and an external device, demonstrating a typical setup for charging or data transfer.



Image: The ACT USB-C cable connecting a laptop to an external monitor, illustrating its capability for display output via DisplayPort Alternate Mode.

## OPERATION

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### Charging (Power Delivery up to 60W)

This cable supports USB Power Delivery (PD) up to 60W (20V@3A), allowing for fast charging of compatible devices. Connect one end of the cable to a USB-C power adapter and the other end to your device (smartphone, tablet, or laptop) to initiate charging. The cable automatically negotiates the optimal power profile with the connected devices.

- Supported Power Delivery Profiles: 5.0V@3.0A, 9.0V@3.0A, 12.0V@3.0A, 15.0V@3.0A, 20.0V@3.0A.

### Data Transfer (5Gbps)

The cable supports USB 3.2 Gen1 (formerly USB 3.0) for high-speed data transfer up to 5 Gigabits per second (Gbps). This is approximately 10 times faster than standard USB 2.0. To achieve these speeds, ensure both connected devices have USB 3.2 Gen1 or higher compatible USB-C ports.

## Display Output (DisplayPort Alternate Mode)

The ACT USB-C cable supports DisplayPort Alternate Mode (DP Alt Mode), enabling video output from compatible USB-C devices to an external display. Connect your USB-C laptop or tablet to a monitor with a USB-C input or a USB-C to DisplayPort/HDMI adapter (not included) to extend or mirror your display.

## CARE AND MAINTENANCE

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Proper care of your cable will ensure its longevity and optimal performance:

- **Avoid Sharp Bends:** Do not bend the cable sharply, especially near the connectors, as this can damage internal wires.
- **Store Properly:** When not in use, coil the cable loosely. Avoid tangling or knotting.
- **Keep Connectors Clean:** Periodically inspect the USB-C connectors for dust or debris. Use a soft, dry cloth or a small brush to gently clean them if necessary.
- **Handle with Care:** Always pull from the connector housing, not the cable itself, when unplugging.
- **Avoid Extreme Temperatures:** Do not expose the cable to extreme heat or cold, which can degrade the cable materials.





Image: The ACT USB-C cable coiled neatly, demonstrating proper storage to prevent damage.

## TROUBLESHOOTING

If you encounter issues with your ACT USB-C cable, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Device not charging or charging slowly.	<ul style="list-style-type: none"><li>• Power adapter not powerful enough.</li><li>• Device not compatible with PD.</li><li>• Cable not fully inserted.</li></ul>	<ul style="list-style-type: none"><li>• Ensure power adapter supports 60W PD.</li><li>• Verify device supports USB-C PD.</li><li>• Reconnect the cable firmly at both ends.</li></ul>

Problem	Possible Cause	Solution
Slow data transfer speed.	<ul style="list-style-type: none"><li>One or both devices use USB 2.0 ports.</li><li>Cable not fully inserted.</li></ul>	<ul style="list-style-type: none"><li>Ensure both devices have USB 3.2 Gen1 (USB 3.0) compatible ports.</li><li>Reconnect the cable firmly.</li></ul>
No display output to external monitor.	<ul style="list-style-type: none"><li>Source device does not support DP Alt Mode.</li><li>Monitor does not support USB-C video input.</li><li>Incorrect monitor input selected.</li></ul>	<ul style="list-style-type: none"><li>Check device specifications for DP Alt Mode support.</li><li>Verify monitor's USB-C port supports video input.</li><li>Select the correct input source on your monitor.</li></ul>

## TECHNICAL SPECIFICATIONS

Brand	ACT
Model Number	AC7406
Cable Type	USB-C to USB-C
Connector Type	One straight, one 90-degree angled USB-C (Male-to-Male)
Cable Length	1 Meter
Data Transfer Rate	Up to 5 Gbps (USB 3.2 Gen1)
Power Delivery	Up to 60W (20V@3A)
Special Features	Fast Charging, Data Transfer, DisplayPort Alternate Mode (DP Alt Mode)
Color	Black
Certifications	USB-IF Certified

## WARRANTY AND SUPPORT

ACT is committed to delivering reliable connectivity solutions. All ACT products comply with international standards and EU legislation, ensuring high quality and safety.

This product comes with a **2-5 year manufacturer's warranty**. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official ACT website.

For further support, technical assistance, or to view our full range of products, please visit the ACT Connectivity website:

[www.act-connectivity.com](http://www.act-connectivity.com)



Image: Product packaging for the ACT USB-C cable, showing the brand logo and website for support.



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Related Documents

	<p><a href="#">ACT USB-C to Lightning Cable, 2m - Quick Installation Guide</a></p> <p>Learn how to quickly connect your ACT USB-C to Lightning Cable (2m, model AC3015) for charging and data transfer. Find safety information and support details for your Apple devices.</p>
	<p><a href="#">ACT Black 1.5m U/UTP CAT6A LSZH Slimline Patch Cable</a></p> <p>Detailed specifications for the ACT Black 1.5 meter U/UTP CAT6A LSZH Slimline patch cable with 90-degree angled RJ45 connectors. Features include LSZH jacket, 28AWG copper conductors, 50μ gold-plated contacts, and support for PoE+.</p>



Official Declaration of Conformity from ACT for their USB4® 20Gbps USB-C cables, models AC7420, AC7421, and AC7422. Confirms compliance with relevant EU regulations including EMC and RoHS directives.

Official EU Declaration of Conformity for the ACT AC7049 USB-C Dual Monitor Docking Station.  
This document confirms compliance with key EU directives such as EMC, LVD, RoHS, ERP, and POP, providing technical details and manufacturer information.

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
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and address of manufacturer and Authorized Representative ACT Koolhovenstraat  
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<b>THIS DECLARATION OF CONFORMITY IS ISSUED UNDER THE SOLE RESPONSIBILITY OF THE MANUFACTURER.</b>		
Name and address of manufacturer (Manufacturer's name in English language)	<b>ACT</b> Industriestrasse 24 47899 Krefeld Germany	
Name and address of authorised representative (if different from the manufacturer) (Authorised representative's name in English language)		
<b>ACT</b> Industriestrasse 24 47899 Krefeld Germany		
<b>DECLARATION OF CONFORMITY</b> I, the undersigned, as authorised representative of the manufacturer, hereby declare that the following products are in conformity with the applicable EU and UK standards and regulations, and that they are therefore fit for the intended use.		
Name of the product (Product name in English language)	<b>UKCA 2018-01-01-0101</b> <b>UKCA 2018-01-01-0102</b> <b>UKCA 2018-01-01-0103</b> <b>UKCA 2018-01-01-0104</b> <b>UKCA 2018-01-01-0105</b> <b>UKCA 2018-01-01-0106</b> <b>UKCA 2018-01-01-0107</b> <b>UKCA 2018-01-01-0108</b> <b>UKCA 2018-01-01-0109</b> <b>UKCA 2018-01-01-0110</b> <b>UKCA 2018-01-01-0111</b> <b>UKCA 2018-01-01-0112</b> <b>UKCA 2018-01-01-0113</b> <b>UKCA 2018-01-01-0114</b> <b>UKCA 2018-01-01-0115</b> <b>UKCA 2018-01-01-0116</b> <b>UKCA 2018-01-01-0117</b> <b>UKCA 2018-01-01-0118</b> <b>UKCA 2018-01-01-0119</b> <b>UKCA 2018-01-01-0120</b> <b>UKCA 2018-01-01-0121</b> <b>UKCA 2018-01-01-0122</b> <b>UKCA 2018-01-01-0123</b> <b>UKCA 2018-01-01-0124</b> <b>UKCA 2018-01-01-0125</b> <b>UKCA 2018-01-01-0126</b> <b>UKCA 2018-01-01-0127</b> <b>UKCA 2018-01-01-0128</b> <b>UKCA 2018-01-01-0129</b> <b>UKCA 2018-01-01-0130</b> <b>UKCA 2018-01-01-0131</b> <b>UKCA 2018-01-01-0132</b> <b>UKCA 2018-01-01-0133</b> <b>UKCA 2018-01-01-0134</b> <b>UKCA 2018-01-01-0135</b> <b>UKCA 2018-01-01-0136</b> <b>UKCA 2018-01-01-0137</b> <b>UKCA 2018-01-01-0138</b> <b>UKCA 2018-01-01-0139</b> <b>UKCA 2018-01-01-0140</b> <b>UKCA 2018-01-01-0141</b> <b>UKCA 2018-01-01-0142</b> <b>UKCA 2018-01-01-0143</b> <b>UKCA 2018-01-01-0144</b> <b>UKCA 2018-01-01-0145</b> <b>UKCA 2018-01-01-0146</b> <b>UKCA 2018-01-01-0147</b> <b>UKCA 2018-01-01-0148</b> <b>UKCA 2018-01-01-0149</b> <b>UKCA 2018-01-01-0150</b> <b>UKCA 2018-01-01-0151</b> <b>UKCA 2018-01-01-0152</b> <b>UKCA 2018-01-01-0153</b> <b>UKCA 2018-01-01-0154</b> <b>UKCA 2018-01-01-0155</b> <b>UKCA 2018-01-01-0156</b> <b>UKCA 2018-01-01-0157</b> <b>UKCA 2018-01-01-0158</b> <b>UKCA 2018-01-01-0159</b> <b>UKCA 2018-01-01-0160</b> <b>UKCA 2018-01-01-0161</b> <b>UKCA 2018-01-01-0162</b> <b>UKCA 2018-01-01-0163</b> <b>UKCA 2018-01-01-0164</b> <b>UKCA 2018-01-01-0165</b> <b>UKCA 2018-01-01-0166</b> <b>UKCA 2018-01-01-0167</b> <b>UKCA 2018-01-01-0168</b> <b>UKCA 2018-01-01-0169</b> <b>UKCA 2018-01-01-0170</b> <b>UKCA 2018-01-01-0171</b> <b>UKCA 2018-01-01-0172</b> <b>UKCA 2018-01-01-0173</b> <b>UKCA 2018-01-01-0174</b> <b>UKCA 2018-01-01-0175</b> <b>UKCA 2018-01-01-0176</b> <b>UKCA 2018-01-01-0177</b> <b>UKCA 2018-01-01-0178</b> <b>UKCA 2018-01-01-0179</b> <b>UKCA 2018-01-01-0180</b> <b>UKCA 2018-01-01-0181</b> <b>UKCA 2018-01-01-0182</b> <b>UKCA 2018-01-01-0183</b> <b>UKCA 2018-01-01-0184</b> <b>UKCA 2018-01-01-0185</b> <b>UKCA 2018-01-01-0186</b> <b>UKCA 2018-01-01-0187</b> <b>UKCA 2018-01-01-0188</b> <b>UKCA 2018-01-01-0189</b> <b>UKCA 2018-01-01-0190</b> <b>UKCA 2018-01-01-0191</b> <b>UKCA 2018-01-01-0192</b> <b>UKCA 2018-01-01-0193</b> <b>UKCA 2018-01-01-0194</b> <b>UKCA 2018-01-01-0195</b> <b>UKCA 2018-01-01-0196</b> <b>UKCA 2018-01-01-0197</b> <b>UKCA 2018-01-01-0198</b> <b>UKCA 2018-01-01-0199</b> <b>UKCA 2018-01-01-0200</b> <b>UKCA 2018-01-01-0201</b> <b>UKCA 2018-01-01-0202</b> <b>UKCA 2018-01-01-0203</b> <b>UKCA 2018-01-01-0204</b> <b>UKCA 2018-01-01-0205</b> <b>UKCA 2018-01-01-0206</b> <b>UKCA 2018-01-01-0207</b> <b>UKCA 2018-01-01-0208</b> <b>UKCA 2018-01-01-0209</b> <b>UKCA 2018-01-01-0210</b> <b>UKCA 2018-01-01-0211</b> <b>UKCA 2018-01-01-0212</b> <b>UKCA 2018-01-01-0213</b> <b>UKCA 2018-01-01-0214</b> <b>UKCA 2018-01-01-0215</b> <b>UKCA 2018-01-01-0216</b> <b>UKCA 2018-01-01-0217</b> <b>UKCA 2018-01-01-0218</b> <b>UKCA 2018-01-01-0219</b> <b>UKCA 2018-01-01-0220</b> <b>UKCA 2018-01-01-0221</b> <b>UKCA 2018-01-01-0222</b> <b>UKCA 2018-01-01-0223</b> <b>UKCA 2018-01-01-0224</b> <b>UKCA 2018-01-01-0225</b> <b>UKCA 2018-01-01-0226</b> <b>UKCA 2018-01-01-0227</b> <b>UKCA 2018-01-01-0228</b> <b>UKCA 2018-01-01-0229</b> <b>UKCA 2018-01-01-0230</b> <b>UKCA 2018-01-01-0231</b> <b>UKCA 2018-01-01-0232</b> <b>UKCA 2018-01-01-0233</b> <b>UKCA 2018-01-01-0234</b> <b>UKCA 2018-01-01-</b>	

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