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MAXACQ-M *Discontinued July 2015*

This software interface will permit users to work with MP Research Systems for Mac (MP150WS or MP36RWS) to collect data into Max/MSP/Jitter via Network Data Transfer protocol; compatible with Mac OS X 10.5-10.6.

MaxAcq_M is a Java (mxj) object for Max/MSP/Jitter for communicating with BIOPAC's Acq*Knowledge* server. It interfaces with Acq*Knowledge* server's streaming capability, outputting data channels as Jitter matrices.

Prerequisites: *Discontinued July 2015—not validated for OS or MAX updates*

- Acq*Knowledge* software with network capability from BIOPAC
  - Max5 from Cycling '74 (www.cycling74.com)
  - Java runtime environment

Workflow:

1. Open Acq*Knowledge* application.
2. Open Max5 and a patcher with the MaxAcq mxj object. MaxAcq will automatically detect the Acq*Knowledge* server if it exists.
3. Enable sensor channels in Acq*Knowledge* either by loading in a template file through the MaxAcq 'loadTemplate' message or directly within the Acq*Knowledge* application
4. Enable channels for streaming (e.g. calc 0, analog 0, digital 0) with the MaxAcq 'stream' message.
5. Send a stream of bang messages to MaxAcq (usually with a metro) to output data as it arrives.

Optional Support License

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In addition to the Help file, a bare-bones Max example for testing purposes is included in examples/example.test.maxpat.

Test Run:

1. Open Acq*Knowledge* application; the program must be running for MaxAcq to detect it as a server.
2. Open Max5 and within Max5, open the file: example.test.maxpat, found at Applications/Max5/examples/MaxAcq/example.
3. Within the "example.test.maxpat" click on the button above the 'opendialog' text box to load an AcqKnowledge template file located at: /Applications/Max5/examples/MaxAcq/template/acq_template.acq.
4. Within the "example.test.maxpat" window, under text "Output Data," click on the toggle below it to enable output to the patch window (example.test.maxpat file window).
5. Click on the 'stream calc 0' message. The Acq*Knowledge* graph file should start acquiring data and the amplitude data from calculation channel CH0 should be streamed to and printed within the patch window.