

ETHERNET PROTOCOL (ASCII). UDP

- Commands should be sent to the Udp ip address and Udp port in that is configured the MAP processor.
- Commands should be formatted exactly as defined in this document.
- Commands strings may or not include a zero termination character.
- Commands should be sent in a unique packet.
- If a problem occur, commands respond with the error.

COMMAND	COMMAND DATA	RESPONSE
SET_INPUT_SELECTION (INPUT,VALUE) (NOTE: INPUT CONNECTION)	INPUT → 00 - 11 VALUE → 00 - 11	OK
SET_INPUT_PHASE (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK
SET_INPUT_PHANTOM (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 11	OK
SET_INPUT_GAIN (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK
SET_INPUT_DELAY (INPUT,VALUE_MS,VALUE_US)	INPUT → 0 - 11 VALUE_MS → 0 - 990 (NOTE: STEPS OF 01) VALUE_US → 0 - 980 (NOTE: STEPS OF 20)	OK
SET_INPUT_EQ (INPUT,FILTER,ON,TYPE,FREQUENCY,GAIN,SLOPE,Q)	INPUT → 0 - 11 FILTER → 0 - 5 ON → 0 - 1 (0 → OFF, 1 → ON) (NOTE: ON/OFF OF ALL EQ CONTROL) TYPE → 0 - 3 (0 → PEQ, 1 → LOW SHELIVING, 2 → HIGH SHELIVING 3 → NOTCH) FREQUENCY → 20 - 20000 GAIN → 0 - 60 (dB = VALUE/2 - 15) (NOTE: ONLY FOR PEQ, LOW & HIGH SHELIVING) SLOPE → 0 - 1 (0 → 6dB/octave, 1 → 12dB/octave) (NOTE: ONLY FOR LOW & HIGH SHELIVING) Q → 1 - 100 (BANDWIDTH = VALUE/10) (NOTE: ONLY FOR PEQ)	OK
SET_INPUT_GATE (INPUT,ON,ATTACK,RELEASE,HOLD,THRESHOLD,RANGE,SIDECHAIN_HP_FREQUENCY,SIDECHAIN_LP_FREQUENCY,KEY_SOURCE)	INPUT → 0 - 11 ON → 0 - 1 (0 → OFF, 1 → ON) ATTACK → 30 - 30000 (us) RELEASE → 100 - 2000 (ms) HOLD → 100 - 2000 (ms) THRESHOLD → 0 - 160 (dB = VALUE/2 - 60) RANGE → 0 - 80 (dB = VALUE) SIDECHAIN_HP_FREQUENCY → 20 - 20000 SIDECHAIN_LP_FREQUENCY → 20 - 20000 KEY_SOURCE → 0 - 11	OK
SET_INPUT_COMPRESSOR (INPUT,ON,ATTACK,RELEASE,THRESHOLD,RATIO,SOFTKNEE,MAKEUP_GAIN,SIDECHAIN_GAIN,SIDECHAIN_FREQUENCY,SIDECHAIN_Q,KEY_SOURCE)	INPUT → 0 - 11 ON → 0 - 1 ATTACK → 30 - 30000 (us) RELEASE → 100 - 2000(ms) THRESHOLD → 0 - 160 (dB = VALUE/2 - 60) RATIO → 0 - 18 0 → ∞:1, 1 → 10:1, 2 → 6:1, 3 → 4:1, 4 → 3:1, 5 → 2:1, 6 → 1.7:1, 7 → 1.5:1, 8 → 1.2:1, 9 → 1:1, 10 → 1:1.2, 11 → 1:1.5, 12 → 1:1.7, 13 → 1:2, 14 → 1:3, 15 → 1:4, 16 → 1:5, 17 → 1:6, 18 → 1:7 SOFTKNEE → 0 - 1 (0 → HARDKNEE, 1 → SOFTKNEE) MAKEUP_GAIN → 0 - 80 (dB = VALUE/2 - 20) SIDECHAIN_GAIN → 0-60 (dB = VALUE/2 - 15), SIDECHAIN_FREQUENCY → 20 - 20000 SIDECHAIN_Q → 1 - 100 (BANDWIDTH = VALUE/10) KEY_SOURCE → 0 - 11	OK
SET_INPUT_FADER (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 180 (dB = VALUE/2 - 75)	OK
SET_INPUT_ON (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK
SET_INPUT_SOLO (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK

COMMAND	COMMAND DATA	RESPONSE
SET_INPUT_LINK (INPUT,VALUE)	INPUT → 0 - 11 VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK
SET_OUTPUT_HP (OUTPUT,ON,CLASS,ORDER,FREQUENCY)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) ON → 0 - 1 (0 → OFF, 1 → ON) CLASS → 0 - 3 (0 → FULL RANGE, 1 → BUTTERWORTH, 2 → BESSEL, 3 → LINKWITZ-RILEY). ORDER → 0 - 8 FULL RANGE: 0 BUTTERWORTH: 1, 2, 3, 4, 8 1 → 6 dB/OCT, 2 → 12 dB/OCT, 3 → 18 dB/OCT, 4 → 24 dB/OCT, 8 → 48 dB/OCT BESSEL: 2, 4 2 → 12 dB/OCT, 4 → 24 dB/OCT, LINKWITZ-RILEY: 2, 4, 8 2 → 12 dB/OCT, 4 → 24 dB/OCT, 8 → 48 dB/OCT FREQUENCY → 20 - 20000	OK
SET_OUTPUT_LP (OUTPUT,ON,CLASS,ORDER,FREQUENCY)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) ON → 0 - 1 (0 → OFF, 1 → ON) CLASS → 0 - 3 (0 → FULL RANGE, 1 → BUTTERWORTH, 2 → BESSEL, 3 → LINKWITZ-RILEY). ORDER → 0 - 8 FULL RANGE: 0 BUTTERWORTH: 1, 2, 3, 4, 8 1 → 6 dB/OCT, 2 → 12 dB/OCT, 3 → 18 dB/OCT, 4 → 24 dB/OCT, 8 → 48 dB/OCT BESSEL: 2, 4 2 → 12 dB/OCT, 4 → 24 dB/OCT, LINKWITZ-RILEY: 2, 4, 8 2 → 12 dB/OCT, 4 → 24 dB/OCT, 8 → 48 dB/OCT FREQUENCY → 20 - 20000	OK
SET_OUTPUT_EQ (OUTPUT,FILTER,ON,TYPE,FREQUENCY,GAIN,SLOPE,Q)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) FILTER → 0 - 5 ON → 0 - 1 (0 → OFF, 1 → ON) (NOTE: ON/OFF OF ALL EQ CONTROL) TYPE → 0 - 3 (0 → PEQ, 1 → LOW SHELIVING, 2 → HIGH SHELIVING 3 → NOTCH) FREQUENCY → 20 - 20000 GAIN → 0 - 60 (dB = VALUE/2 - 15) (NOTE: ONLY FOR PEQ, LOW & HIGH SHELIVING) SLOPE → 0 - 1 (0 → 6dB/octave, 1 → 12dB/octave) (NOTE: ONLY FOR LOW & HIGH SHELIVING) Q → 1 - 100 (BANDWIDTH = VALUE/10) (NOTE: ONLY FOR PEQ)	OK
SET_OUTPUT_LIMITER (OUTPUT,ON,ATTACK,RELEASE,THRESHOLD)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) ON → 0 - 1 (0 → OFF, 1 → ON) ATTACK → 30-30000 (us) RELEASE → 100 - 2000 (ms) THRESHOLD → 0 - 160 (dB = VALUE/2 - 60)	OK
SET_OUTPUT_DELAY (OUTPUT,VALUE_MS,VALUE_US)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) VALUE_MS → 0 - 300 (NOTE: STEPS OF 01) VALUE_US → 0 - 980 (NOTE: STEPS OF 20)	OK
SET_OUTPUT_FADER (OUTPUT,VALUE)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) VALUE → 0 - 180 (dB = VALUE/2 - 75)	OK
SET_OUTPUT_PHASE (OUTPUT,VALUE)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK

COMMAND	COMMAND DATA	RESPONSE
SET_OUTPUT_ON (OUTPUT,VALUE)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK
SET_OUTPUT_SOLO (OUTPUT,VALUE)	OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) VALUE → 0 - 1 (0 → OFF, 1 → ON)	OK
SET_MIXER (INPUT,OUTPUT,GAIN)	INPUT → 0 - 11 OUTPUT → 0 - 7 (MAP-1208) 0 - 15 (MAP-1216) GAIN → 0 - 65 (dB = VALUE-65)	OK
SET_DATE_TIME (SECONDS, MINUTES, HOURS, DAY, MONTH, YEAR, WEEKDAY)	SECONDS → 0 - 59 MINUTES → 0 - 59 HOURS → 0 - 23 DAY → 1 - 31 MONTH → 1 - 12 YEAR → 1990 – 2200 WEEKDAY → 0 → MONDAY → 1 → TUESDAY → 2 → WEDNESDAY → 3 → THURSDAY → 4 → FRIDAY → 5 → SATURDAY → 6 → SUNDAY	OK
LOAD_PRESET (PRESET_NUMBER)	PRESET_NUMBER → 0 - 9	K02
PLAY_VOICE_MESSAGE (VOICE_MESSAGE_NUMBER)	VOICE_MESSAGE_NUMBER → BIT 00-05 → VOICE MESSAGE NUMBER → (0-12) → BIT 06 → REPEAT → (0 → OFF, 1 → ON)	OK
HIGHLIGHT ()	NO DATA	OK
RESET_MEMORY ()	NO DATA	OK