

ZAPPY - GUI PROTOCOL

Symbol	Meaning	Symbol	Meaning
X	width or horizontal position	n	player number
Y	height or vertical position	O	orientation: 1(N), 2(E), 3(S), 4(W)
q0	resource 0 (food) quantity	L	player or incantation level
q1	resource 1 (linemate) quantity	e	egg number
q2	resource 2 (deraumere) quantity	T	time unit
q3	resource 3 (sibur) quantity	N	name of the team
q4	resource 4 (mendiane) quantity	R	incantation result
q5	resource 5 (phiras) quantity	M	message
q6	resource 6 (thystame) quantity	i	resource number

Server	Client	Details
msz X Y\n	msz\n	map size
bct X Y q0 q1 q2 q3 q4 q5 q6\n	bct X Y\n	content of a tile
bct X Y q0 q1 q2 q3 q4 q5 q6\n * nbr_tiles	mct\n	content of the map (all the tiles)
tna N\n * nbr_teams	tna\n	name of all the teams
pnw #n X Y O L N\n		connection of a new player
ppo #n X Y O\n	ppo #n\n	player's position
plv #n L\n	plv #n\n	player's level
pin #n X Y q0 q1 q2 q3 q4 q5 q6\n	pin #n\n	player's inventory
pex #n\n		expulsion
pbc #n M\n		broadcast
pic X Y L #n #n ... \n		start of an incantation (by the first player)
pie X Y R\n		end of an incantation
pfk #n\n		egg laying by the player
pdr #n i\n		resource dropping
pgt #n i\n		resource collecting
pdi #n\n		death of a player
enw #e #n X Y\n		an egg was laid by a player
ebo #e\n		player connection for an egg
edi #e\n		death of an egg
sgt T\n	sgt\n	time unit request
sst T\n	sst T\n	time unit modification
seg N\n		end of game
smg M\n		message from the server
suc\n		unknown command
sbp\n		command parameter

Each player responds to the following actions and **only** to these ones, with the following syntax:

action	command	time limit	response
move up one tile	Forward	7/f	ok
turn 90° right	Right	7/f	ok
turn 90° left	Left	7/f	ok
look around	Look	7/f	[tile1, tile2,...]
inventory	Inventory	1/f	[linemate <i>n</i> , sibur <i>n</i> ,...]
broadcast text	Broadcast text	7/f	ok
number of team unused slots	Connect_nbr	-	value
fork a player	Fork	42/f	ok
eject players from this tile	Eject	7/f	ok/ko
death of a player	-	-	dead
take object	Take object	7/f	ok/ko
set object down	Set object	7/f	ok/ko
start incantation	Incantation	300/f	Elevation underway Current level: <i>k</i> /ko